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ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION AND DEPOSITION CUMULATIVE PRECIPITATION MONITORING NETWORK 1989

DECEMBER 1992

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ACIDIC PRECIPITATION IN ONTARIO STUDY
ANNUAL STATISTICS OF CONCENTRATION AND DEPOSITION
CUMULATIVE PRECIPITATION MONITORING NETWORK
1989

Report prepared by:

Special Studies and Research Management Unit
Atmospheric Research and Special Programs Section
Air Resources Branch
Ontario Ministry of the Environment

DECEMBER 1992

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This report was prepared by Diane Green of the APIOS Atmospheric Deposition and Chemistry Program. However, the data themselves are a product of the combined efforts of many individuals. Collection of air filter samples was coordinated by Bill Trayling (in Northeastern Region), Steve Elliott (in Southeastern Region), Scott Kennedy (in Southwestern Region), Wim Smits (in Northwestern Region) and J. P. Varto (in Central Region). Sample handling was carried out by Mike Stevenson and overall coordination by Dan Orr at the Air Resources Branch. Chemical analyses were performed at the Laboratory Services and Applied Research Branch under the coordination of Frank Tomassini. Invaluable clerical and computer assistance were provided by Peter Maheras and Joseph Lam, All enquiries regarding the reported data should be directed to Neville Reid, Co-Ordinator, Atmospheric Deposition and Chemistry Program at (416) 235-6155.

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PART I

INTRODUCTION

INTRODUCTION

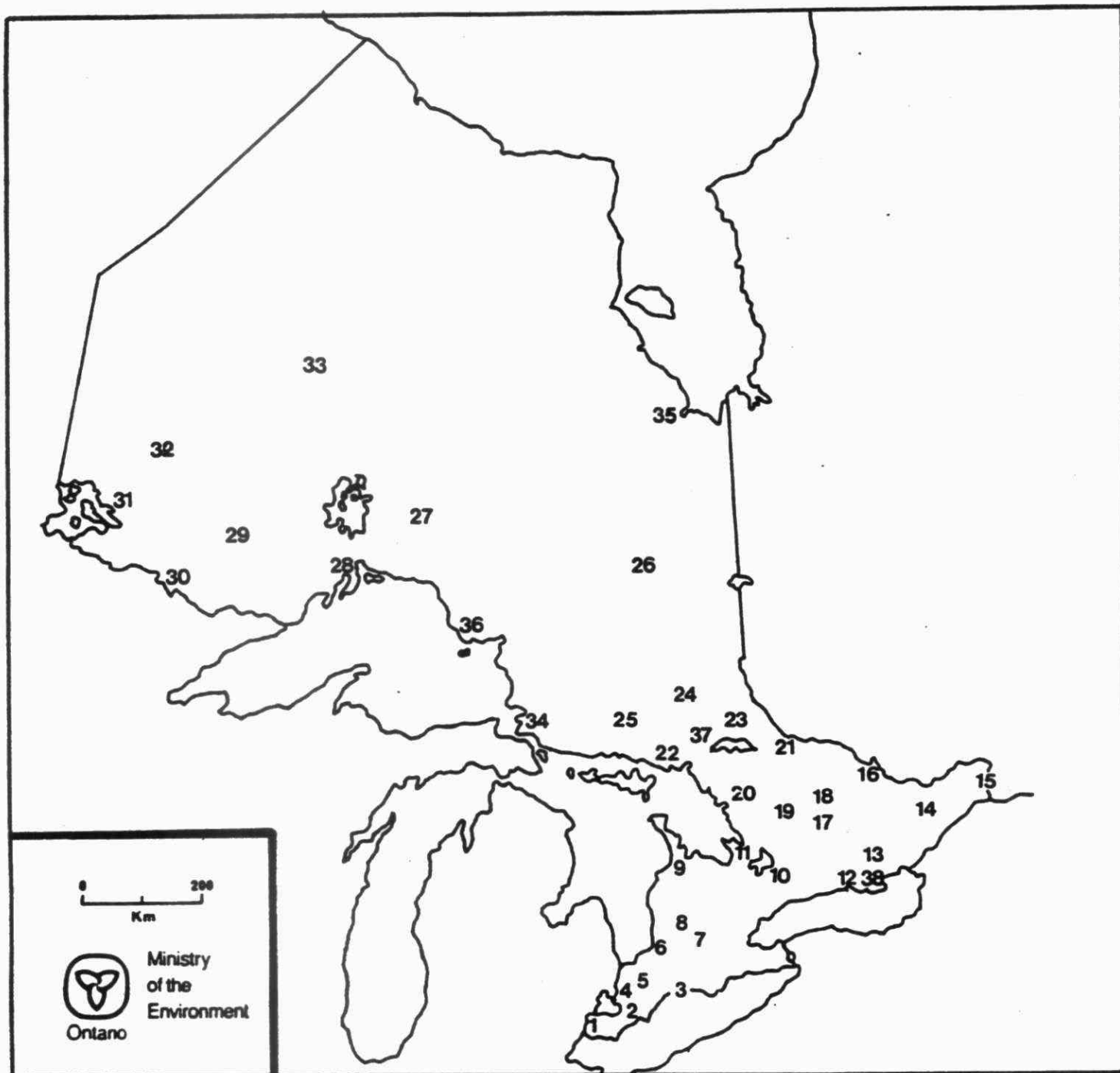
This report was prepared by Diane Green. The statistical summaries presented in this report pertain to the 1989 analytical results obtained from the Acidic Precipitation in Ontario Study (APIOS) cumulative precipitation monitoring network. The relevant data can be obtained on request from the Air Resources Branch of The Ontario Ministry of the Environment. All available data are utilized in the calculations except results reported as being unreliable (i.e., results are identified as unreasonable values by using the validation procedures; detailed description of the validation procedures is available from the Ministry upon request) or approximate (i.e., inexact results are reported due to laboratory difficulties, such as may be encountered in calibration, or when the sample cannot be re-analyzed to confirm the reported value). In a very few cases, concentration levels exceeded the upper limit of the range of the chemical analysis. Rather than using the upper limit, a decision was made to exclude these values from the statistics generated in this report. Reported results for metals which have missing leachate analysis are also excluded from statistical analysis. Results labelled as <W are replaced by "zero". W is the level which the analytical technique cannot distinguish from zero. Prior to 1986, if a level was recorded less than the detection limit T, a value corresponding to one half the detection limit was utilized for statistical calculations as reported in the statistical summaries. These values are no longer halved. Note that T is normally about ten times W, and values above the T criteria are considered to be precise and accurate.

The reported cumulative precipitation gauge depth (or an interpolated value from Environment Canada's CLIMAT data) is utilized in the calculation of deposition. If a precipitation gauge value is not available, then the collected sample volume is converted to its equivalent precipitation depth and is used in the deposition calculation.

The statistical summaries presented in Parts III to VI include number of samples, mean (arithmetic/geometric), standard deviation (arithmetic/geometric), maximum, minimum, quartiles and precipitation weighted means using precipitation gauge depths where appropriate. These statistics are for an average sampling period. Data which correspond to irregular sampling periods are either combined if they are from consecutive collection periods which span $28d \pm 5d$, or deleted, before the statistics are generated.

PART II

STATION DESCRIPTION AND LOCATION MAP



- | | | |
|-----------------|---------------------|---------------------------------------------|
| 1.Colchester* | 14.Smith's Falls* | 27.Geraldton |
| 2.Merlin | 15.Dalhousie Mills* | 28.Dorion* |
| 3.Pt. Stanley* | 16.Golden Lake* | 29.Quetico Centre* |
| 4.Wilkesport* | 17.Wilberforce | 30.Lac La Croix |
| 5.Alvinston | 18.Whitney | 31.E.L.A. |
| 6.Huron Park | 19.Dorset* | 32.Ear Falls* |
| 7.Waterloo | 20.McKellar* | 33.Pickle Lake* |
| 8.Palmerston* | 21.Mattawa* | 34.Turkey Lake* |
| 9.Shallow Lake* | 22.Killarney* | 35.Moosonee* |
| 10.Uxbridge* | 23.Bear Island | 36.Otter Island* |
| 11.Coldwater | 24.Gowganda* | 37.Mcfarlane Lake |
| 12.Cambellford* | 25.Azure Lake | 38.Pt.Petre |
| 13.Cloyne* | 26.Moonbeam* | 39.Sutton, Quebec
(Intercomparison Site) |

*Indicates both a wet and dry deposition network site

**ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS-ACIDIC PRECIPITATION IN ONTARIO STUDY
CUMULATIVE PRECIPITATION SITES**

STATION ID	MOE REGION	STATION NAME	ELEV (M)	LATITUDE (NORTH)	LONGITUDE (WEST)	UTM GRID CO-ORDINATES	
						(NORTHING)	(EASTING)
000001-01-01-1041	SOUTHWESTERN	COLCHESTER	183	41°59'15"	82°55'41"	4649973	340284
000001-01-01-1051	SOUTHWESTERN	MERLIN	191	42°14'47"	82°13'28"	4677645	398983
000001-01-01-1061	SOUTHWESTERN	PORT STANLEY	213	42°40'22"	81°09'55"	4724277	486457
000001-01-01-1071	SOUTHWESTERN	WILKESPORT	183	42°42'11"	82°21'13"	4728515	389135
000001-01-01-1081	SOUTHWESTERN	ALVINSTON	221	42°49'00"	81°50'05"	4740580	431759
000001-01-01-1091	SOUTHWESTERN	SHALLOW LAKE	229	44°34'54"	81°06'58"	4936270	490782
000001-01-01-1101	SOUTHWESTERN	PALMERSTON	389	43°48'19"	80°54'12"	4850035	507776
000001-01-01-1191	SOUTHWESTERN	HURON PARK	250	43°17'28"	81°30'03"	4793050	459370
000001-01-01-2021	SOUTHWESTERN	WATERLOO	343	43°28'39"	80°35'10"	4813710	533474
000001-01-01-3011	CENTRAL	DORSET	320	45°13'26"	78°55'50"	5009656	662429
000001-01-01-3061	CENTRAL	UXBRIDGE	244	44°12'46"	79°12'38"	4896847	642958
000001-01-01-3071	CENTRAL	WILBERFORCE	396	45°00'54"	78°12'56"	4988172	719406
000001-01-01-3081	CENTRAL	CAMPBELLFORD	175	44°17'28"	77°47'33"	4907783	277202
000001-01-01-3101	CENTRAL	COLDWATER	280	44°37'31"	79°32'08"	4942152	616174
000001-01-01-4061	SOUTHEASTERN	SMITH'S FALLS	122	44°56'41"	75°57'48"	4977044	423999
000001-01-01-4071	SOUTHEASTERN	DALHOUSIE MILLS	69	45°19'00"	74°28'13"	5018048	541521
000001-01-01-4081	SOUTHEASTERN	GOLDEN LAKE	160	45°36'48"	77°12'03"	5053226	328397
000001-01-01-4091	SOUTHEASTERN	CLOYNE	259	44°49'10"	77°11'07"	4964999	327221
000001-01-01-4161	SOUTHEASTERN	PT. PETRE	84	43°50'20"	77°09'10"	4856016	326930
000001-01-01-5011	NORTHEASTERN	MCKELLAR	244	45°31'15"	79°55'19"	5041158	584196
000001-01-01-5021	NORTHEASTERN	KILLARNEY	183	45°58'20"	81°29'18"	5090859	462167
000001-01-01-5031	NORTHEASTERN	MATTAWA	198	46°16'39"	78°49'19"	5126968	667810
000001-01-01-5041	NORTHEASTERN	BEAR ISLAND	305	46°58'22"	80°04'30"	5202336	570362
000001-01-01-5061	NORTHEASTERN	GOWGANDA	343	47°39'04"	80°46'32"	5277329	516647
000001-01-01-5071	NORTHEASTERN	MOONBEAM	244	49°19'40"	82°01'10"	5464175	425924
000001-01-01-5091	NORTHEASTERN	WHITNEY	412	45°32'21"	78°15'35"	5046283	713946
000001-01-01-5141	NORTHEASTERN	TURKEY LAKES	440	47°03'15"	84°24'20"	5214246	697468
000001-01-01-5151	NORTHEASTERN	AZURE LAKE	427	47°28'13"	81°52'30"	5257579	434062
000001-01-01-5161	NORTHEASTERN	MOOSONEE	8	51°12'35"	80°42'20"	5672970	520568
000001-01-01-6011	NORTHWESTERN	DORION	244	48°50'33"	88°36'45"	5410982	381684
000001-01-01-6031	NORTHWESTERN	EAR FALLS	350	50°38'31"	93°13'13"	5609814	484424
000001-01-01-6041	NORTHWESTERN	PICKLE LAKE	360	51°02'41"	90°12'04"	5658308	696198
000001-01-01-6061	NORTHWESTERN	LAC LA CROIX	368	48°21'14"	92°12'32"	5355719	558611
000001-01-01-6071	NORTHWESTERN	QUETICO CENTRE	420	48°24'44"	91°12'08"	5363461	633036
000001-01-01-6091	NORTHWESTERN	E.L.A.	123	49°39'50"	93°43'16"	5501292	447960
000001-01-01-6111	NORTHWESTERN	OTTER ISLAND	204	48°06'50"	86°04'25"	5329155	568954
000001-01-01-6121	NORTHWESTERN	GERALDTON	350	49°48'18"	86°45'52"	5516758	516950
000001-01-01-7011	QUEBEC	SUTTON	243	45°04'35"	72°40'35"	4993846	682898

PART III

SUMMARY STATISTICS OF PRECIPITATION CONCENTRATION BY STATION

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -ALVINSTON MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	103.0	2057	84.00	7.63	.	12.95	1.07
MINIMUM	24.0	522	15.00	4.14	.	2.05	0.44
ARITH. MEAN	51.6	1269	33.27	5.02	.	4.98	0.77
ARITH. STD. DEV	23.3	534	19.99	1.11	.	3.13	0.24
GEOM. MEAN	46.9	1157	29.46	4.93	.	4.34	0.73
1ST QUARTILE	31.0	809	21.50	4.37	.	3.40	0.50
2ND QUARTILE	51.0	1388	27.25	4.64	.	4.18	0.77
3RD QUARTILE	64.0	1725	37.00	4.78	.	5.85	1.01
VOL. WGT. MEAN	.	1452	33.00	.	.	4.86	0.73
MISSING VALUES	0.0	3	3	3	13	3	3
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	1.90	0.92	1.630	0.325	2.270	0.230	1.430
MINIMUM	0.14	0.18	0.360	0.020	0.025	0.030	0.250
ARITH. MEAN	0.86	0.35	0.846	0.160	0.326	0.118	0.708
ARITH. STD. DEV	0.51	0.23	0.382	0.096	0.686	0.070	0.378
GEOM. MEAN	0.71	0.29	0.773	0.126	0.122	0.097	0.620
1ST QUARTILE	0.47	0.19	0.610	0.085	0.050	0.075	0.436
2ND QUARTILE	0.83	0.24	0.830	0.173	0.120	0.100	0.636
3RD QUARTILE	1.16	0.45	1.000	0.205	0.185	0.160	0.866
VOL. WGT. MEAN	0.77	0.32	0.835	0.147	0.335	0.105	0.704
MISSING VALUES	3	3	4	3	3	3	4

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -ALVINSTON MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	1.400	17.00	1.50	19.66	228.07	12.04	0.89
MINIMUM	0.006	0.55	0.26	3.65	43.40	1.42	0.09
ARITH. MEAN	0.161	6.35	0.62	10.09	101.02	4.47	0.48
ARITH. STD. DEV	0.435	4.98	0.37	5.24	73.66	2.93	0.22
GEOM. MEAN	0.029	4.37	0.54	8.94	84.91	3.83	0.42
1ST QUARTILE	0.010	3.80	0.39	6.31	57.76	2.78	0.32
2ND QUARTILE	0.029	5.65	0.51	8.93	84.35	4.08	0.48
3RD QUARTILE	0.038	7.40	0.69	13.49	91.51	4.95	0.63
VOL. WGT. MEAN	0.156	5.78	0.56	9.00	84.67	3.77	0.46
MISSING VALUES	3	3	3	5	8	3	3
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	173.18	3.20	0.41	105.00	72.44		
MINIMUM	16.81	0.84	0.00	11.30	0.02		
ARITH. MEAN	69.90	1.79	0.21	55.10	27.39		
ARITH. STD. DEV	47.83	0.96	0.14	28.75	21.98		
GEOM. MEAN	56.78	1.58	0.20	46.61	9.53		
1ST QUARTILE	31.60	0.95	0.11	38.20	16.60		
2ND QUARTILE	63.72	1.72	0.20	51.95	23.25		
3RD QUARTILE	79.77	2.98	0.36	76.50	42.66		
VOL. WGT. MEAN	62.69	1.55	0.19	55.79	.		
MISSING VALUES	3	6	3	3	3.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION_ _ -AZURE LAKE MIC TYPE A SITE NO.1 -

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	152.0	3406	71.30	4.92	.	10.95	0.96
MINIMUM	10.0	137	11.50	3.75	.	0.95	0.10
ARITH. MEAN	61.4	1399	23.02	4.47	.	2.60	0.42
ARITH. STD. DEV	37.8	1021	15.05	0.28	.	2.61	0.21
GEOM. MEAN	50.7	1011	20.58	4.46	.	2.02	0.37
1ST QUARTILE	36.0	807	17.50	4.38	.	1.20	0.27
2ND QUARTILE	56.5	1091	19.50	4.48	.	2.10	0.41
3RD QUARTILE	78.7	1958	23.00	4.58	.	2.65	0.50
VOL. WGT. MEAN	.	1743	19.96	.	.	2.14	0.37
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.54	0.84	0.940	0.085	0.085	0.470	0.866
MINIMUM	0.06	0.03	0.130	0.005	0.005	0.005	0.000
ARITH. MEAN	0.18	0.16	0.402	0.028	0.036	0.079	0.317
ARITH. STD. DEV	0.13	0.22	0.232	0.022	0.026	0.122	0.242
GEOM. MEAN	0.15	0.09	0.346	0.021	0.027	0.042	0.253
1ST QUARTILE	0.08	0.05	0.250	0.015	0.020	0.020	0.168
2ND QUARTILE	0.13	0.08	0.340	0.020	0.030	0.035	0.326
3RD QUARTILE	0.26	0.17	0.480	0.035	0.050	0.065	0.416
VOL. WGT. MEAN	0.16	0.13	0.366	0.024	0.035	0.059	0.291
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -AZURE LAKE MIC TYPE A SITE NO.1 -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.016	8.70	0.96	13.15	152.39	13.07	0.68
MINIMUM	: 0.002	1.00	0.00	2.49	0.00	1.17	0.05
ARITH. MEAN	: 0.007	2.53	0.39	4.78	50.80	3.24	0.17
ARITH. STD. DEV	: 0.005	2.05	0.37	3.50	87.99	3.73	0.17
GEOM. MEAN	: 0.005	2.07	0.40	4.10	152.39	2.37	0.12
1ST QUARTILE	: 0.003	1.30	0.14	2.90	0.00	1.62	0.06
2ND QUARTILE	: 0.006	1.90	0.24	3.73	0.00	2.18	0.12
3RD QUARTILE	: 0.009	2.70	0.74	4.65	152.39	2.59	0.20
VOL. WGT. MEAN	: 0.007	2.18	0.28	3.47	7.54	2.19	0.13
MISSING VALUES	: 0	0	0	5	10	4	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 351.20	2.43	0.84	230.00	177.83		
MINIMUM	: 9.32	0.94	0.00	33.40	12.02		
ARITH. MEAN	: 44.28	1.34	0.17	69.60	42.88		
ARITH. STD. DEV	: 92.49	0.54	0.23	52.37	41.98		
GEOM. MEAN	: 21.76	1.26	0.18	60.18	33.76		
1ST QUARTILE	: 12.64	0.97	0.00	43.70	26.30		
2ND QUARTILE	: 23.21	1.14	0.14	60.05	33.11		
3RD QUARTILE	: 25.94	1.32	0.16	66.00	41.69		
VOL. WGT. MEAN	: 23.23	1.26	0.10	58.30	44.67		
MISSING VALUES	: 0	3	0	1	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

STATION - BEAR ISLAND MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULPATE MG/L	NITRATE MG/L
# OF SAMPLES	7.0	7	7	7	7	7	7
MAXIMUM	75.0	2941	35.50	4.55	.	3.35	0.77
MINIMUM	33.4	687	13.00	4.18	.	0.80	0.41
ARITH. MEAN	52.2	1392	24.41	4.36	.	2.47	0.51
ARITH. STD. DEV	15.9	745	8.53	0.12	.	1.14	0.13
GEOM. MEAN	50.0	1259	22.91	4.36	.	2.13	0.50
1ST QUARTILE	35.4	947	13.00	4.29	.	0.85	0.42
2ND QUARTILE	54.1	1252	26.00	4.36	.	3.10	0.45
3RD QUARTILE	64.0	1572	31.00	4.40	.	3.25	0.55
VOL. WGT. MEAN	.	1552	23.86	.	.	2.39	0.50
MISSING VALUES	0.0	0	0	1	7	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	7	7	7	7	7	7	7
MAXIMUM	0.26	0.15	0.660	0.040	0.085	0.040	0.616
MINIMUM	0.06	0.08	0.150	0.010	0.010	0.015	0.114
ARITH. MEAN	0.14	0.11	0.420	0.023	0.033	0.029	0.356
ARITH. STD. DEV	0.08	0.03	0.205	0.013	0.028	0.009	0.189
GEOM. MEAN	0.12	0.11	0.368	0.019	0.024	0.027	0.304
1ST QUARTILE	0.06	0.08	0.180	0.010	0.010	0.020	0.140
2ND QUARTILE	0.10	0.10	0.440	0.020	0.025	0.030	0.344
3RD QUARTILE	0.24	0.15	0.620	0.035	0.055	0.035	0.520
VOL. WGT. MEAN	0.14	0.11	0.408	0.024	0.033	0.027	0.346
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -BEAR ISLAND MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	7	7	7	7	7	7	7
MAXIMUM	0.022	3.40	1.60	5.46	14.91	3.86	0.36
MINIMUM	0.000	1.10	0.15	3.10	0.00	1.28	0.10
ARITH. MEAN	0.008	2.18	0.66	4.50	7.45	2.41	0.21
ARITH. STD. DEV	0.008	0.98	0.62	0.88	10.54	1.00	0.10
GEOM. MEAN	0.006	1.99	0.46	4.42	14.91	2.25	0.19
1ST QUARTILE	0.002	1.36	0.24	4.39	0.00	1.92	0.14
2ND QUARTILE	0.004	1.70	0.39	4.61	7.45	2.08	0.17
3RD QUARTILE	0.013	3.20	1.50	4.93	14.91	2.94	0.31
VOL. WGT. MEAN	0.007	2.25	0.60	4.59	5.11	2.40	0.20
MISSING VALUES	0	0	0	2	5	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	7	7	7	7	7.00		
MAXIMUM	51.47	1.73	0.41	101.00	66.07		
MINIMUM	14.36	0.70	0.00	52.20	28.18		
ARITH. MEAN	32.46	1.39	0.19	73.58	45.46		
ARITH. STD. DEV	12.27	0.47	0.14	16.67	12.68		
GEOM. MEAN	30.24	1.31	0.19	72.06	43.99		
1ST QUARTILE	22.86	1.10	0.09	63.50	39.81		
2ND QUARTILE	36.76	1.56	0.18	71.45	43.70		
3RD QUARTILE	38.97	1.67	0.29	81.90	51.29		
VOL. WGT. MEAN	31.33	1.46	0.18	72.25	41.69		
MISSING VALUES	0	3	0	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -CAMPBELLFORD MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	12.0	12	12	12	12	12	12
MAXIMUM	139.0	3303	43.50	7.45	.	4.80	1.17
MINIMUM	28.8	447	17.50	4.15	.	2.10	0.35
ARITH. MEAN	63.0	1314	29.83	5.00	.	3.21	0.69
ARITH. STD. DEV	32.2	914	8.95	1.37	.	0.86	0.33
GEOM. MEAN	56.3	1080	28.57	4.86	.	3.11	0.62
1ST QUARTILE	36.5	630	25.00	4.20	.	2.75	0.36
2ND QUARTILE	57.5	1077	30.00	4.39	.	2.90	0.70
3RD QUARTILE	78.6	1780	34.00	4.51	.	3.80	0.95
VOL. WGT. MEAN	.	1722	28.26	.	.	3.07	0.63
MISSING VALUES	0.0	3	3	3	12	3	3
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	12	12	12	12	12	12	12
MAXIMUM	1.74	0.50	0.690	0.185	0.650	0.300	0.648
MINIMUM	0.14	0.07	0.290	0.020	0.020	0.015	0.244
ARITH. MEAN	0.67	0.24	0.534	0.073	0.171	0.107	0.457
ARITH. STD. DEV	0.57	0.14	0.139	0.065	0.267	0.092	0.140
GEOM. MEAN	0.49	0.21	0.516	0.053	0.062	0.074	0.437
1ST QUARTILE	0.32	0.18	0.460	0.035	0.025	0.055	0.396
2ND QUARTILE	0.48	0.21	0.520	0.040	0.030	0.070	0.418
3RD QUARTILE	0.70	0.27	0.690	0.075	0.090	0.130	0.628
VOL. WGT. MEAN	0.63	0.21	0.496	0.067	0.161	0.087	0.429
MISSING VALUES	3	3	5	3	3	3	5

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - CAMPBELLFORD MIC TYPE A SITE NO.1 - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 12	12	12	12	12	12	12
MAXIMUM	: 0.420	7.30	1.10	13.80	114.43	4.44	0.83
MINIMUM	: 0.005	1.20	0.00	3.10	0.00	1.21	0.15
ARITH. MEAN	: 0.061	3.36	0.47	7.09	52.07	2.45	0.41
ARITH. STD. DEV	: 0.145	2.12	0.39	3.87	57.91	1.29	0.22
GEOM. MEAN	: 0.015	2.83	0.53	6.27	69.14	2.18	0.36
1ST QUARTILE	: 0.006	1.80	0.17	3.70	0.00	1.43	0.27
2ND QUARTILE	: 0.012	2.70	0.48	6.79	41.77	2.15	0.29
3RD QUARTILE	: 0.015	4.80	0.64	8.36	114.43	3.42	0.52
VOL. WGT. MEAN	: 0.052	2.83	0.34	5.70	35.89	2.05	0.35
MISSING VALUES	: 4	3	3	6	9	3	3
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 12	12	12	12	12.00		
MAXIMUM	: 74.17	6.54	0.34	108.00	70.79		
MINIMUM	: 13.09	0.00	0.00	18.00	0.04		
ARITH. MEAN	: 36.65	1.71	0.13	66.39	40.41		
ARITH. STD. DEV	: 18.16	2.40	0.14	33.91	27.36		
GEOM. MEAN	: 32.81	1.35	0.21	56.15	10.08		
1ST QUARTILE	: 25.32	0.72	0.00	53.20	30.90		
2ND QUARTILE	: 35.78	0.89	0.12	57.30	40.74		
3RD QUARTILE	: 41.37	1.22	0.21	92.10	63.10		
VOL. WGT. MEAN	: 33.37	1.00	0.08	59.90	.		
MISSING VALUES	: 3	6	3	3	3.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

STATION - CLOYNE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	125.0	3732	50.50	5.08	.	6.60	1.03
MINIMUM	15.0	211	8.00	3.97	.	0.75	0.12
ARITH. MEAN	59.6	1546	27.27	4.41	.	2.87	0.62
ARITH. STD. DEV	33.6	1028	12.64	0.30	.	1.69	0.27
GEOM. MEAN	50.6	1211	24.41	4.40	.	2.42	0.55
1ST QUARTILE	39.0	855	17.00	4.20	.	1.70	0.53
2ND QUARTILE	52.0	1201	25.00	4.44	.	2.50	0.64
3RD QUARTILE	79.0	2370	36.00	4.51	.	3.70	0.79
VOL. WGT. MEAN	.	2045	24.80	.	.	2.70	0.56
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.80	0.50	0.790	0.090	0.165	0.350	0.640
MINIMUM	0.08	0.01	0.140	0.010	0.010	0.015	0.080
ARITH. MEAN	0.34	0.20	0.438	0.043	0.050	0.085	0.363
ARITH. STD. DEV	0.21	0.13	0.190	0.024	0.049	0.094	0.161
GEOM. MEAN	0.28	0.15	0.396	0.037	0.035	0.053	0.322
1ST QUARTILE	0.18	0.11	0.340	0.030	0.020	0.025	0.286
2ND QUARTILE	0.30	0.18	0.430	0.040	0.030	0.050	0.354
3RD QUARTILE	0.40	0.27	0.540	0.050	0.050	0.140	0.456
VOL. WGT. MEAN	0.34	0.18	0.413	0.042	0.059	0.080	0.338
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ CLOYNE MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.018	12.00	1.20	12.69	34.41	4.98	1.20
MINIMUM	0.000	0.96	0.00	2.91	0.00	1.11	0.13
ARITH. MEAN	0.006	3.94	0.36	5.52	11.47	2.68	0.37
ARITH. STD. DEV	0.004	2.96	0.39	3.04	19.87	1.28	0.32
GEOM. MEAN	0.005	3.16	0.36	5.02	34.41	2.41	0.28
1ST QUARTILE	0.004	1.90	0.12	3.90	0.00	1.57	0.17
2ND QUARTILE	0.004	3.10	0.24	4.78	0.00	2.32	0.21
3RD QUARTILE	0.006	5.10	0.53	5.61	34.41	3.39	0.34
VOL. WGT. MEAN	0.006	4.08	0.31	4.63	8.75	2.30	0.34
MISSING VALUES	0	0	0	5	10	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	156.28	0.95	0.59	142.00	107.15		
MINIMUM	12.01	0.67	0.00	29.50	8.32		
ARITH. MEAN	52.84	0.83	0.14	74.64	47.43		
ARITH. STD. DEV	51.34	0.15	0.19	31.94	28.32		
GEOM. MEAN	36.17	0.82	0.15	68.60	39.25		
1ST QUARTILE	17.49	0.67	0.00	53.10	30.90		
2ND QUARTILE	34.42	0.87	0.09	72.10	36.31		
3RD QUARTILE	67.53	0.95	0.12	83.60	63.10		
VOL. WGT. MEAN	43.72	0.80	0.13	67.09	52.48		
MISSING VALUES	1	10	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ COLCHESTER MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	12.0	12	12	12	12	12	12
MAXIMUM	235.0	3803	53.00	5.10	.	5.85	1.12
MINIMUM	19.2	90	11.50	3.96	.	1.95	0.32
ARITH. MEAN	64.5	1532	30.41	4.44	.	3.68	0.69
ARITH. STD. DEV	62.2	1111	11.86	0.33	.	1.19	0.28
GEOM. MEAN	48.5	1066	28.20	4.43	.	3.51	0.64
1ST QUARTILE	28.5	694	22.00	4.17	.	3.05	0.38
2ND QUARTILE	44.6	1605	28.50	4.41	.	3.25	0.67
3RD QUARTILE	59.5	1786	38.00	4.69	.	4.65	0.99
VOL. WGT. MEAN	.	2411	27.59	.	.	3.51	0.56
MISSING VALUES	0.0	1	1	1	12	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	12	12	12	12	12	12	12
MAXIMUM	1.16	1.19	1.620	0.240	0.150	0.485	1.260
MINIMUM	0.16	0.09	0.180	0.040	0.015	0.025	0.148
ARITH. MEAN	0.56	0.36	0.717	0.123	0.049	0.118	0.574
ARITH. STD. DEV	0.32	0.34	0.409	0.076	0.041	0.141	0.290
GEOM. MEAN	0.47	0.27	0.618	0.102	0.039	0.071	0.509
1ST QUARTILE	0.28	0.16	0.480	0.055	0.025	0.030	0.424
2ND QUARTILE	0.53	0.23	0.590	0.090	0.040	0.065	0.530
3RD QUARTILE	0.84	0.39	1.050	0.210	0.050	0.120	0.618
VOL. WGT. MEAN	0.42	0.25	0.792	0.089	0.070	0.090	0.568
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - COLCHESTER MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	12	12	12	12	12	12	12
MAXIMUM	0.050	6.80	0.75	27.46	84.19	6.63	0.42
MINIMUM	0.002	0.89	0.16	5.87	0.00	1.59	0.10
ARITH. MEAN	0.017	3.67	0.45	13.01	29.37	3.41	0.25
ARITH. STD. DEV	0.017	1.81	0.21	7.71	31.94	1.80	0.11
GEOM. MEAN	0.010	3.18	0.40	11.44	37.48	3.04	0.23
1ST QUARTILE	0.003	2.50	0.26	8.55	0.00	1.96	0.15
2ND QUARTILE	0.009	3.60	0.48	9.89	23.65	2.92	0.27
3RD QUARTILE	0.032	4.90	0.55	12.15	44.70	4.67	0.33
VOL. WGT. MEAN	0.024	3.47	0.51	10.30	28.71	2.59	0.24
MISSING VALUES	1	2	2	3	6	4	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREENH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	12	12	12	12	12.00		
MAXIMUM	64.15	3.46	0.61	129.00	109.65		
MINIMUM	17.11	0.93	0.00	26.00	7.94		
ARITH. MEAN	36.89	1.52	0.19	70.84	45.46		
ARITH. STD. DEV	14.98	0.99	0.17	30.60	29.85		
GEOM. MEAN	34.21	1.34	0.17	64.73	36.23		
1ST QUARTILE	28.82	0.93	0.11	46.10	20.42		
2ND QUARTILE	33.28	1.10	0.13	63.00	38.90		
3RD QUARTILE	50.29	1.64	0.23	101.00	67.61		
VOL. WGT. MEAN	34.10	1.44	0.29	65.48	16.98		
MISSING VALUES	2	6	2	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ COLDWATER MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	144.0	2917	50.00	7.53	.	4.25	0.92
MINIMUM	42.0	296	7.00	4.20	.	0.60	0.20
ARITH. MEAN	74.2	1722	22.78	4.81	.	2.49	0.51
ARITH. STD. DEV	28.1	786	11.52	0.88	.	1.22	0.20
GEOM. MEAN	70.0	1486	20.11	4.75	.	2.16	0.47
1ST QUARTILE	54.0	1185	14.50	4.36	.	1.45	0.36
2ND QUARTILE	62.9	1802	22.00	4.45	.	2.60	0.53
3RD QUARTILE	82.0	2291	28.00	4.89	.	3.35	0.61
VOL. WGT. MEAN	.	1925	23.36	.	.	2.49	0.49
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.70	0.38	0.730	0.115	0.720	0.280	0.676
MINIMUM	0.06	0.07	0.160	0.015	0.005	0.005	0.176
ARITH. MEAN	0.34	0.17	0.413	0.051	0.081	0.063	0.375
ARITH. STD. DEV	0.20	0.09	0.196	0.029	0.193	0.070	0.174
GEOM. MEAN	0.28	0.15	0.369	0.043	0.029	0.042	0.338
1ST QUARTILE	0.16	0.10	0.235	0.025	0.015	0.030	0.222
2ND QUARTILE	0.36	0.15	0.400	0.055	0.020	0.040	0.355
3RD QUARTILE	0.43	0.22	0.560	0.070	0.045	0.060	0.517
VOL. WGT. MEAN	0.32	0.16	0.389	0.048	0.085	0.063	0.362
MISSING VALUES	0	0	1	0	0	0	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -COLDWATER MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.715	9.00	1.20	19.73	201.51	4.09	0.35
MINIMUM	0.000	1.10	0.00	2.13	0.00	1.14	0.10
ARITH. MEAN	0.060	3.32	0.43	6.30	70.29	2.29	0.19
ARITH. STD. DEV	0.197	2.14	0.37	5.16	82.28	0.86	0.08
GEOM. MEAN	0.007	2.77	0.36	5.06	46.43	2.15	0.18
1ST QUARTILE	0.002	1.60	0.17	2.93	17.04	1.79	0.13
2ND QUARTILE	0.004	3.00	0.36	5.26	27.90	2.13	0.18
3RD QUARTILE	0.008	4.20	0.50	6.93	135.48	2.98	0.26
VOL. WGT. MEAN	0.064	3.14	0.37	6.09	59.59	2.13	0.18
MISSING VALUES	0	0	0	3	5	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREENH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	193.84	2.33	0.34	94.00	63.10		
MINIMUM	8.04	0.35	0.00	21.00	0.03		
ARITH. MEAN	50.10	1.24	0.13	54.15	30.75		
ARITH. STD. DEV	55.58	0.66	0.13	23.83	20.70		
GEOM. MEAN	31.34	1.07	0.19	48.79	15.65		
1ST QUARTILE	16.38	0.88	0.00	34.20	12.88		
2ND QUARTILE	24.40	0.98	0.11	61.90	35.48		
3RD QUARTILE	57.58	1.79	0.25	71.20	43.65		
VOL. WGT. MEAN	45.99	1.13	0.11	54.31	12.88		
MISSING VALUES	0	4	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _DALHOUSIE MILLS MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	96.0	3483	46.50	4.71	.	4.00	1.38
MINIMUM	29.0	346	13.00	4.08	.	1.40	0.22
ARITH. MEAN	58.2	1497	29.21	4.33	.	2.75	0.69
ARITH. STD. DEV	19.4	872	9.41	0.21	.	0.89	0.38
GEOM. MEAN	55.3	1271	27.74	4.33	.	2.61	0.60
1ST QUARTILE	46.0	983	23.20	4.19	.	1.92	0.39
2ND QUARTILE	50.0	1386	27.03	4.24	.	2.80	0.58
3RD QUARTILE	67.0	1723	35.50	4.46	.	3.50	0.92
VOL. WGT. MEAN	.	1751	28.44	.	.	2.74	0.65
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.56	0.64	0.960	0.100	0.085	0.335	0.534
MINIMUM	0.12	0.07	0.220	0.015	0.015	0.015	0.146
ARITH. MEAN	0.28	0.21	0.497	0.040	0.042	0.103	0.378
ARITH. STD. DEV	0.14	0.17	0.193	0.025	0.022	0.105	0.107
GEOM. MEAN	0.25	0.17	0.467	0.035	0.037	0.064	0.361
1ST QUARTILE	0.18	0.09	0.395	0.025	0.028	0.028	0.331
2ND QUARTILE	0.25	0.16	0.450	0.033	0.038	0.063	0.364
3RD QUARTILE	0.35	0.28	0.570	0.045	0.055	0.143	0.472
VOL. WGT. MEAN	0.27	0.19	0.483	0.039	0.040	0.086	0.376
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - -DALHOUSIE MILLS MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.036	9.00	1.00	12.61	43.06	4.37	1.10
MINIMUM	0.003	1.20	0.00	3.39	0.00	0.66	0.13
ARITH. MEAN	0.010	4.57	0.48	8.00	24.08	2.27	0.49
ARITH. STD. DEV	0.009	2.37	0.37	3.36	21.98	1.12	0.32
GEOM. MEAN	0.008	3.96	0.47	7.31	35.44	2.01	0.39
1ST QUARTILE	0.005	2.50	0.14	4.83	0.00	1.57	0.20
2ND QUARTILE	0.006	4.60	0.56	7.74	29.17	1.97	0.43
3RD QUARTILE	0.010	6.25	0.77	11.31	43.06	2.79	0.75
VOL. WGT. MEAN	0.010	4.52	0.43	7.64	21.31	2.10	0.46
MISSING VALUES	1	1	1	3	10	3	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+		
	UG/L	UG/L	UG/L	UG/L	LAB	UG/L	
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	106.64	3.63	0.34	124.00	83.18		
MINIMUM	18.60	0.00	0.00	43.20	19.50		
ARITH. MEAN	36.74	1.46	0.12	79.28	51.17		
ARITH. STD. DEV	24.37	1.11	0.12	24.81	20.49		
GEOM. MEAN	32.14	1.43	0.16	75.61	46.68		
1ST QUARTILE	22.48	0.67	0.00	58.15	34.68		
2ND QUARTILE	28.92	1.47	0.10	82.90	58.25		
3RD QUARTILE	40.45	1.89	0.20	98.25	64.63		
VOL. WGT. MEAN	35.73	1.34	0.11	75.63	72.44		
MISSING VALUES	1	5	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

STATION_ _ _DORION MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	102.0	2931	18.00	6.44	.	2.20	0.74
MINIMUM	8.7	276	6.00	4.50	.	0.50	0.17
ARITH. MEAN	46.9	1072	12.03	5.02	.	1.45	0.36
ARITH. STD. DEV	29.7	787	4.04	0.58	.	0.57	0.15
GEOM. MEAN	38.0	830	11.36	4.99	.	1.32	0.33
1ST QUARTILE	22.7	402	9.00	4.60	.	0.85	0.25
2ND QUARTILE	45.3	1083	13.00	4.78	.	1.65	0.38
3RD QUARTILE	53.0	1195	14.40	5.26	.	1.90	0.42
VOL. WGT. MEAN	.	1512	11.05	.	.	1.43	0.30
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.54	0.18	0.900	0.105	0.085	0.130	0.838
MINIMUM	0.06	0.01	0.110	0.005	0.005	0.020	0.000
ARITH. MEAN	0.21	0.09	0.476	0.036	0.035	0.060	0.352
ARITH. STD. DEV	0.15	0.05	0.246	0.026	0.026	0.035	0.236
GEOM. MEAN	0.17	0.07	0.401	0.028	0.027	0.051	0.300
1ST QUARTILE	0.10	0.07	0.360	0.020	0.015	0.035	0.222
2ND QUARTILE	0.14	0.09	0.490	0.035	0.035	0.050	0.394
3RD QUARTILE	0.32	0.11	0.640	0.035	0.045	0.070	0.506
VOL. WGT. MEAN	0.20	0.07	0.512	0.038	0.045	0.047	0.366
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -DORION MIC TYPE A SITE NO.1 -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.040	6.00	1.10	6.74	191.80	7.06	0.32
MINIMUM	0.003	0.99	0.00	2.90	0.00	0.89	0.01
ARITH. MEAN	0.012	3.27	0.47	4.64	51.83	2.09	0.12
ARITH. STD. DEV	0.011	1.57	0.33	1.33	62.85	1.78	0.10
GEOM. MEAN	0.009	2.89	0.40	4.47	48.40	1.69	0.08
1ST QUARTILE	0.004	1.90	0.16	3.47	4.81	1.05	0.04
2ND QUARTILE	0.010	3.30	0.48	4.80	40.25	1.41	0.10
3RD QUARTILE	0.011	4.80	0.73	5.81	66.37	2.31	0.17
VOL. WGT. MEAN	0.015	3.48	0.38	4.27	47.92	1.71	0.10
MISSING VALUES	0	0	0	4	5	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	70.48	3.08	0.33	68.35	31.62		
MINIMUM	11.00	0.27	0.00	21.40	0.36		
ARITH. MEAN	27.59	1.46	0.13	39.82	15.58		
ARITH. STD. DEV	17.58	1.14	0.13	15.05	10.98		
GEOM. MEAN	23.53	1.07	0.15	37.31	9.55		
1ST QUARTILE	15.08	0.66	0.00	26.70	5.50		
2ND QUARTILE	21.52	1.20	0.08	36.90	16.60		
3RD QUARTILE	34.76	2.11	0.27	49.90	25.12		
VOL. WGT. MEAN	27.69	0.90	0.09	36.15	16.98		
MISSING VALUES	0	8	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -DORSET MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULPATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	199.0	5573	50.50	5.01	.	5.40	0.98
MINIMUM	7.0	203	12.50	4.05	.	0.80	0.30
ARITH. MEAN	67.1	1854	26.36	4.42	.	2.49	0.59
ARITH. STD. DEV	45.5	1269	10.81	0.28	.	1.14	0.18
GEOM. MEAN	54.1	1483	24.49	4.41	.	2.27	0.56
1ST QUARTILE	43.0	1288	21.00	4.30	.	1.90	0.49
2ND QUARTILE	59.0	1804	26.00	4.34	.	2.25	0.63
3RD QUARTILE	79.0	1950	28.50	4.39	.	2.65	0.68
VOL. WGT. MEAN	.	2629	25.94	.	.	2.39	0.58
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.53	0.21	1.600	0.065	0.145	0.090	0.842
MINIMUM	0.08	0.06	0.250	0.015	0.005	0.015	0.194
ARITH. MEAN	0.23	0.12	0.550	0.034	0.037	0.040	0.416
ARITH. STD. DEV	0.13	0.04	0.365	0.018	0.037	0.022	0.179
GEOM. MEAN	0.20	0.11	0.478	0.030	0.025	0.035	0.384
1ST QUARTILE	0.14	0.11	0.340	0.020	0.020	0.025	0.268
2ND QUARTILE	0.20	0.12	0.440	0.030	0.020	0.035	0.376
3RD QUARTILE	0.26	0.12	0.570	0.040	0.050	0.050	0.530
VOL. WGT. MEAN	0.20	0.12	0.510	0.030	0.031	0.041	0.394
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - -DORSET MIC TYPE A SITE NO.1 - - - - -

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.068	7.40	0.50	5.99	345.98	5.55	0.33
MINIMUM	0.000	0.86	0.00	2.89	14.34	0.98	0.09
ARITH. MEAN	0.011	2.78	0.31	4.64	137.11	2.28	0.21
ARITH. STD. DEV	0.018	1.82	0.14	1.33	154.83	1.28	0.08
GEOM. MEAN	0.008	2.32	0.32	4.45	67.11	2.04	0.19
1ST QUARTILE	0.003	1.50	0.22	3.28	19.71	1.56	0.14
2ND QUARTILE	0.006	2.40	0.34	5.49	94.05	1.89	0.22
3RD QUARTILE	0.009	3.60	0.41	5.80	254.50	2.70	0.24
VOL. WGT. MEAN	0.010	2.39	0.27	4.40	80.63	1.89	0.22
MISSING VALUES	0	0	0	0	9	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	110.97	3.27	0.35	124.00	89.13		
MINIMUM	10.41	0.62	0.00	32.80	9.77		
ARITH. MEAN	32.28	1.49	0.13	71.96	44.48		
ARITH. STD. DEV	25.25	0.73	0.12	24.91	22.03		
GEOM. MEAN	26.97	1.36	0.16	67.96	38.02		
1ST QUARTILE	21.73	1.08	0.00	59.80	40.74		
2ND QUARTILE	28.23	1.42	0.12	73.30	45.71		
3RD QUARTILE	29.42	1.72	0.21	75.90	50.12		
VOL. WGT. MEAN	25.19	1.20	0.11	68.82	50.12		
MISSING VALUES	0	2	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -EAR FALLS MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	105.0	3079	15.50	6.32	.	1.50	0.46
MINIMUM	9.9	124	4.00	4.46	.	0.55	0.02
ARITH. MEAN	38.5	934	8.25	5.33	.	1.08	0.25
ARITH. STD. DEV	28.4	951	3.38	0.56	.	0.28	0.11
GEOM. MEAN	30.8	597	7.67	5.30	.	1.04	0.21
1ST QUARTILE	18.2	412	6.25	5.04	.	1.00	0.22
2ND QUARTILE	32.5	533	7.00	5.30	.	1.05	0.26
3RD QUARTILE	45.0	1130	10.00	5.55	.	1.25	0.29
VOL. WGT. MEAN	.	1560	7.56	.	.	1.08	0.23
MISSING VALUES	0.0	0	0	1	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.46	1.04	0.830	0.090	0.170	0.730	0.678
MINIMUM	0.06	0.03	0.110	0.005	0.010	0.010	0.000
ARITH. MEAN	0.24	0.21	0.357	0.047	0.053	0.143	0.203
ARITH. STD. DEV	0.10	0.27	0.183	0.022	0.043	0.197	0.183
GEOM. MEAN	0.22	0.12	0.319	0.040	0.041	0.076	0.143
1ST QUARTILE	0.18	0.05	0.250	0.038	0.028	0.038	0.054
2ND QUARTILE	0.23	0.15	0.310	0.040	0.038	0.087	0.206
3RD QUARTILE	0.31	0.21	0.410	0.060	0.070	0.152	0.284
VOL. WGT. MEAN	0.22	0.13	0.395	0.044	0.061	0.074	0.245
MISSING VALUES	1	0	0	1	1	1	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - -EAR FALLS MIC TYPE A SITE NO.1 - - - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.050	8.40	2.50	31.29	340.80	7.58	0.33
MINIMUM	: 0.005	1.00	0.00	1.29	0.00	0.00	0.01
ARITH. MEAN	: 0.017	5.37	0.72	7.87	114.24	2.50	0.11
ARITH. STD. DEV	: 0.013	2.32	0.83	9.26	126.80	2.47	0.10
GEOM. MEAN	: 0.013	4.73	0.47	5.24	90.46	2.54	0.07
1ST QUARTILE	: 0.008	3.70	0.18	3.60	19.36	1.22	0.04
2ND QUARTILE	: 0.012	5.60	0.36	4.77	77.79	2.04	0.06
3RD QUARTILE	: 0.014	7.50	0.85	5.93	169.71	2.52	0.13
VOL. WGT. MEAN	: 0.014	5.05	0.57	4.90	85.52	2.04	0.09
MISSING VALUES	: 0	0	0	4	7	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 198.33	13.90	0.98	53.40	34.67		
MINIMUM	: 9.85	0.00	0.00	12.50	0.48		
ARITH. MEAN	: 57.26	2.43	0.25	28.72	8.84		
ARITH. STD. DEV	: 56.32	4.20	0.27	12.17	10.44		
GEOM. MEAN	: 38.87	1.83	0.21	26.64	4.67		
1ST QUARTILE	: 18.16	0.00	0.07	20.65	2.93		
2ND QUARTILE	: 52.97	1.00	0.16	26.10	5.03		
3RD QUARTILE	: 60.66	2.56	0.39	30.90	9.18		
VOL. WGT. MEAN	: 42.49	1.32	0.18	26.41	.		
MISSING VALUES	: 2	3	0	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _E.L.A. MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	128.0	3599	12.50	6.47	.	2.45	0.62
MINIMUM	14.3	142	3.00	4.78	.	0.45	0.09
ARITH. MEAN	42.6	1060	7.32	5.55	.	1.02	0.28
ARITH. STD. DEV	36.4	1118	2.48	0.59	.	0.56	0.14
GEOM. MEAN	32.6	659	6.91	5.52	.	0.91	0.25
1ST QUARTILE	17.9	357	6.00	5.01	.	0.60	0.21
2ND QUARTILE	25.9	503	7.50	5.59	.	1.00	0.25
3RD QUARTILE	53.0	1568	9.00	5.98	.	1.20	0.32
VOL. WGT. MEAN	.	1921	6.77	.	.	1.08	0.29
MISSING VALUES	0.0	0	0	0	11	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.46	0.21	1.390	0.085	0.070	0.170	1.140
MINIMUM	0.06	0.01	0.080	0.005	0.000	0.005	0.000
ARITH. MEAN	0.21	0.10	0.413	0.040	0.031	0.078	0.318
ARITH. STD. DEV	0.14	0.07	0.370	0.027	0.022	0.062	0.333
GEOM. MEAN	0.18	0.07	0.307	0.031	0.029	0.049	0.229
1ST QUARTILE	0.12	0.04	0.160	0.020	0.010	0.025	0.062
2ND QUARTILE	0.18	0.12	0.320	0.040	0.030	0.065	0.238
3RD QUARTILE	0.35	0.17	0.520	0.070	0.045	0.130	0.486
VOL. WGT. MEAN	0.23	0.09	0.434	0.045	0.036	0.048	0.353
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =E.L.A. MIC TYPE A SITE NO.1 _ _ _
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 11	11	11	11	11	11	11
MAXIMUM	: 0.039	6.60	1.00	8.89	464.10	3.51	0.28
MINIMUM	: 0.000	1.20	0.00	0.97	0.00	0.00	0.02
ARITH. MEAN	: 0.015	3.43	0.27	4.36	103.59	1.71	0.08
ARITH. STD. DEV	: 0.013	1.96	0.29	2.96	182.81	1.28	0.08
GEOM. MEAN	: 0.012	2.89	0.22	3.38	126.36	1.62	0.06
1ST QUARTILE	: 0.004	1.70	0.11	2.28	0.00	0.73	0.03
2ND QUARTILE	: 0.009	2.90	0.14	4.20	17.86	1.43	0.05
3RD QUARTILE	: 0.026	5.30	0.32	5.73	121.69	2.91	0.10
VOL. WGT. MEAN	: 0.010	3.48	0.23	3.15	78.70	1.40	0.08
MISSING VALUES	: 0	0	0	2	5	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 11	11	11	11	11.00		
MAXIMUM	: 91.52	7.38	0.49	36.00	16.60		
MINIMUM	: 11.08	0.00	0.00	16.30	0.34		
ARITH. MEAN	: 42.65	2.64	0.10	24.37	5.47		
ARITH. STD. DEV	: 23.17	4.12	0.17	6.57	5.51		
GEOM. MEAN	: 37.09	1.97	0.23	23.65	2.81		
1ST QUARTILE	: 27.78	0.00	0.00	20.40	1.05		
2ND QUARTILE	: 37.59	0.53	0.00	21.50	2.57		
3RD QUARTILE	: 57.87	7.38	0.24	29.80	9.77		
VOL. WGT. MEAN	: 34.87	1.26	0.05	22.36	9.33		
MISSING VALUES	: 0	8	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -GERALDTON MIC TYPE A SITE NO. 1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	75.0	2233	26.00	5.29	.	3.65	0.68
MINIMUM	11.9	120	5.00	4.40	.	0.35	0.11
ARITH. MEAN	38.3	829	13.69	4.83	.	1.59	0.32
ARITH. STD. DEV	22.5	689	6.94	0.33	.	0.97	0.15
GEOM. MEAN	32.1	595	12.15	4.82	.	1.28	0.29
1ST QUARTILE	21.0	322	9.00	4.49	.	0.70	0.20
2ND QUARTILE	38.2	715	13.00	4.92	.	1.65	0.35
3RD QUARTILE	43.5	972	15.50	5.15	.	2.00	0.39
VOL. WGT. MEAN	.	1145	12.52	.	.	1.58	0.29
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.52	0.34	0.910	0.070	0.100	0.295	0.572
MINIMUM	0.03	0.04	0.110	0.000	0.000	0.015	0.000
ARITH. MEAN	0.22	0.12	0.464	0.034	0.031	0.088	0.296
ARITH. STD. DEV	0.14	0.09	0.295	0.022	0.035	0.081	0.229
GEOM. MEAN	0.17	0.10	0.365	0.029	0.026	0.060	0.244
1ST QUARTILE	0.10	0.06	0.190	0.015	0.005	0.030	0.074
2ND QUARTILE	0.24	0.09	0.450	0.035	0.020	0.060	0.406
3RD QUARTILE	0.26	0.18	0.720	0.045	0.045	0.130	0.480
VOL. WGT. MEAN	0.19	0.10	0.485	0.031	0.034	0.063	0.316
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -GERALDTON MIC TYPE A SITE NO. 1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.042	6.20	1.30	7.52	53.72	3.00	0.19
MINIMUM	: 0.003	0.26	0.00	1.93	0.00	1.22	0.02
ARITH. MEAN	: 0.014	3.19	0.29	4.44	20.87	2.06	0.09
ARITH. STD. DEV	: 0.012	2.05	0.38	2.01	22.35	0.72	0.06
GEOM. MEAN	: 0.010	2.34	0.33	4.03	32.46	1.95	0.07
1ST QUARTILE	: 0.004	1.15	0.00	2.72	0.00	1.47	0.05
2ND QUARTILE	: 0.010	3.35	0.20	4.48	23.28	1.86	0.07
3RD QUARTILE	: 0.019	4.90	0.36	5.50	27.35	2.95	0.14
VOL. WGT. MEAN	: 0.015	2.96	0.22	3.63	18.08	1.85	0.08
MISSING VALUES	: 0	1	1	7	8	6	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 53.27	1.09	0.39	70.50	39.81		
MINIMUM	: 10.62	0.00	0.00	23.50	5.13		
ARITH. MEAN	: 29.59	0.54	0.13	44.45	19.05		
ARITH. STD. DEV	: 13.39	0.49	0.14	18.19	13.15		
GEOM. MEAN	: 26.68	0.76	0.18	41.12	14.87		
1ST QUARTILE	: 22.25	0.00	0.00	29.20	7.08		
2ND QUARTILE	: 25.59	0.63	0.08	38.60	12.02		
3RD QUARTILE	: 36.78	0.92	0.23	65.20	32.36		
VOL. WGT. MEAN	: 25.11	0.42	0.11	42.02	6.76		
MISSING VALUES	: 1	7	2	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ _GOLDEN LAKE MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	130.0	3354	33.50	5.69	.	3.90	0.81
MINIMUM	1.7	577	13.00	4.23	.	1.15	0.23
ARITH. MEAN	52.2	1639	22.05	4.52	.	2.12	0.45
ARITH. STD. DEV	32.4	917	6.36	0.40	.	0.87	0.18
GEOM. MEAN	38.6	1402	21.22	4.51	.	1.98	0.42
1ST QUARTILE	29.0	739	17.50	4.30	.	1.40	0.30
2ND QUARTILE	53.0	1654	21.50	4.45	.	1.95	0.44
3RD QUARTILE	62.0	2418	28.00	4.56	.	2.35	0.58
VOL. WGT. MEAN	.	2069	22.95	.	.	2.41	0.42
MISSING VALUES	0.0	2	2	1	13	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.28	0.21	0.740	0.045	0.065	0.080	0.674
MINIMUM	0.04	0.05	0.130	0.010	0.010	0.015	0.126
ARITH. MEAN	0.15	0.10	0.308	0.024	0.032	0.038	0.271
ARITH. STD. DEV	0.07	0.05	0.172	0.011	0.019	0.023	0.153
GEOM. MEAN	0.13	0.09	0.276	0.021	0.027	0.032	0.243
1ST QUARTILE	0.08	0.06	0.220	0.015	0.015	0.015	0.180
2ND QUARTILE	0.14	0.09	0.260	0.020	0.030	0.040	0.228
3RD QUARTILE	0.20	0.14	0.340	0.030	0.050	0.050	0.302
VOL. WGT. MEAN	0.15	0.09	0.359	0.025	0.035	0.031	0.319
MISSING VALUES	2	2	2	2	2	2	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ _ =GOLDEN LAKE MIC TYPE A SITE NO.1 -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.011	4.40	0.88	5.18	0.00	2.21	0.39
MINIMUM	0.000	0.00	0.00	1.50	0.00	0.92	0.00
ARITH. MEAN	0.004	1.82	0.24	3.11	0.00	1.67	0.20
ARITH. STD. DEV	0.003	1.30	0.29	1.36	0.00	0.45	0.14
GEOM. MEAN	0.004	1.70	0.34	2.86	.	1.61	0.18
1ST QUARTILE	0.003	1.00	0.00	1.79	0.00	1.41	0.08
2ND QUARTILE	0.003	1.65	0.17	3.04	0.00	1.66	0.17
3RD QUARTILE	0.005	2.15	0.41	4.63	0.00	2.17	0.32
VOL. WGT. MEAN	0.004	2.22	0.21	3.05	0.00	1.60	0.19
MISSING VALUES	2	1	1	6	10	4	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	31.30	1.26	0.20	85.90	58.88		
MINIMUM	7.51	0.54	0.00	12.10	2.04		
ARITH. MEAN	20.67	0.80	0.06	61.07	37.10		
ARITH. STD. DEV	7.46	0.31	0.08	22.29	16.86		
GEOM. MEAN	19.24	0.76	0.11	55.07	29.85		
1ST QUARTILE	14.95	0.58	0.00	53.65	27.73		
2ND QUARTILE	20.74	0.64	0.04	60.20	35.91		
3RD QUARTILE	27.61	0.98	0.11	80.45	50.24		
VOL. WGT. MEAN	20.97	0.73	0.05	61.10	.		
MISSING VALUES	2	8	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =GOWGANDA MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	135.0	4106	65.00	5.27	.	7.95	0.83
MINIMUM	11.0	181	9.50	3.86	.	0.55	0.18
ARITH. MEAN	52.8	1309	21.89	4.47	.	2.37	0.37
ARITH. STD. DEV	36.8	1099	15.62	0.33	.	2.04	0.17
GEOM. MEAN	41.8	931	18.60	4.46	.	1.78	0.34
1ST QUARTILE	25.0	513	12.84	4.35	.	0.88	0.26
2ND QUARTILE	43.7	979	15.75	4.45	.	2.05	0.35
3RD QUARTILE	71.7	1866	25.50	4.56	.	3.00	0.45
VOL. WGT. MEAN	.	2025	21.35	.	.	2.24	0.33
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.30	0.25	0.710	0.060	0.145	0.090	0.540
MINIMUM	0.04	0.02	0.060	0.005	0.000	0.000	0.016
ARITH. MEAN	0.13	0.09	0.328	0.022	0.028	0.042	0.245
ARITH. STD. DEV	0.09	0.06	0.221	0.019	0.041	0.034	0.177
GEOM. MEAN	0.10	0.08	0.252	0.014	0.021	0.033	0.164
1ST QUARTILE	0.06	0.06	0.135	0.005	0.005	0.013	0.086
2ND QUARTILE	0.09	0.07	0.335	0.018	0.010	0.033	0.268
3RD QUARTILE	0.19	0.10	0.475	0.038	0.030	0.077	0.368
VOL. WGT. MEAN	0.11	0.07	0.317	0.020	0.023	0.029	0.260
MISSING VALUES	1	1	1	1	2	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =GOWGANDA MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.120	4.90	0.61	10.79	134.63	8.72	0.65
MINIMUM	: 0.000	0.68	0.00	2.67	0.00	0.57	0.04
ARITH. MEAN	: 0.018	1.97	0.27	4.29	32.90	2.71	0.16
ARITH. STD. DEV	: 0.033	1.38	0.19	2.68	57.30	2.42	0.17
GEOM. MEAN	: 0.013	1.55	0.29	3.85	113.48	2.08	0.12
1ST QUARTILE	: 0.001	0.79	0.14	3.06	0.00	1.52	0.07
2ND QUARTILE	: 0.010	1.61	0.30	3.36	0.00	1.79	0.12
3RD QUARTILE	: 0.018	2.95	0.38	4.03	95.65	3.01	0.14
VOL. WGT. MEAN	: 0.013	1.86	0.16	3.61	19.20	1.90	0.12
MISSING VALUES	: 1	1	1	5	6	4	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 149.18	7.16	0.39	172.00	138.04		
MINIMUM	: 3.91	0.53	0.00	33.00	5.37		
ARITH. MEAN	: 37.55	1.56	0.11	67.62	43.01		
ARITH. STD. DEV	: 39.51	2.12	0.12	36.20	33.23		
GEOM. MEAN	: 25.84	1.04	0.14	61.43	33.95		
1ST QUARTILE	: 17.94	0.74	0.00	51.60	27.88		
2ND QUARTILE	: 24.21	0.86	0.09	62.30	35.91		
3RD QUARTILE	: 39.30	0.96	0.15	73.05	45.33		
VOL. WGT. MEAN	: 28.24	0.94	0.07	62.85	33.88		
MISSING VALUES	: 1	4	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -HURON PARK MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	86.0	2454	75.13	7.79	.	7.30	1.14
MINIMUM	26.0	676	19.50	3.92	.	2.50	0.52
ARITH. MEAN	52.3	1302	37.73	5.17	.	4.39	0.78
ARITH. STD. DEV	20.0	679	19.31	1.42	.	1.67	0.22
GEOM. MEAN	49.0	1160	34.09	5.01	.	4.12	0.76
1ST QUARTILE	38.1	762	26.00	4.09	.	3.15	0.56
2ND QUARTILE	45.6	1016	28.00	4.45	.	3.45	0.80
3RD QUARTILE	63.0	1873	48.50	6.58	.	5.78	0.93
VOL. WGT. MEAN	.	1526	35.56	.	.	4.05	0.73
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.68	0.87	2.330	0.995	0.125	0.450	1.100
MINIMUM	0.24	0.14	0.260	0.040	0.015	0.035	0.168
ARITH. MEAN	0.88	0.34	0.836	0.202	0.049	0.142	0.581
ARITH. STD. DEV	0.73	0.28	0.544	0.260	0.028	0.161	0.257
GEOM. MEAN	0.67	0.27	0.725	0.131	0.044	0.085	0.521
1ST QUARTILE	0.33	0.16	0.560	0.063	0.035	0.038	0.466
2ND QUARTILE	0.62	0.22	0.700	0.122	0.045	0.055	0.542
3RD QUARTILE	1.40	0.48	0.930	0.210	0.053	0.245	0.710
VOL. WGT. MEAN	0.74	0.30	0.749	0.156	0.044	0.123	0.576
MISSING VALUES	2	1	2	1	1	1	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - HURON PARK MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.493	9.40	0.99	51.42	178.43	12.17	0.76
MINIMUM	: 0.000	0.29	0.16	5.50	0.00	1.59	0.09
ARITH. MEAN	: 0.048	4.30	0.56	18.75	63.66	4.62	0.37
ARITH. STD. DEV	: 0.140	2.37	0.24	13.58	57.95	3.16	0.21
GEOM. MEAN	: 0.011	3.38	0.50	15.47	57.79	3.85	0.31
1ST QUARTILE	: 0.003	2.85	0.40	11.13	27.11	2.08	0.17
2ND QUARTILE	: 0.006	4.45	0.52	14.22	45.92	4.22	0.39
3RD QUARTILE	: 0.014	5.60	0.75	21.65	92.38	5.06	0.53
VOL. WGT. MEAN	: 0.031	4.01	0.50	16.76	49.26	3.84	0.35
MISSING VALUES	: 1	1	1	1	5	3	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 183.96	3.10	0.48	153.00	120.23		
MINIMUM	: 17.52	0.59	0.00	7.70	0.02		
ARITH. MEAN	: 74.07	1.35	0.19	67.29	43.58		
ARITH. STD. DEV	: 58.00	0.82	0.17	46.76	42.04		
GEOM. MEAN	: 57.59	1.16	0.21	48.27	6.76		
1ST QUARTILE	: 38.66	0.71	0.04	18.75	0.29		
2ND QUARTILE	: 46.41	1.07	0.17	65.85	35.48		
3RD QUARTILE	: 107.56	1.65	0.29	104.40	82.67		
VOL. WGT. MEAN	: 59.91	1.17	0.17	70.65	0.42		
MISSING VALUES	: 1	1	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -KILLARNEY MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	88.0	1873	47.00	4.88	.	4.45	1.03
MINIMUM	15.0	445	11.00	4.02	.	1.15	0.22
ARITH. MEAN	46.5	1066	32.92	4.31	.	2.97	0.72
ARITH. STD. DEV	19.6	566	10.96	0.25	.	1.18	0.21
GEOM. MEAN	42.5	924	30.76	4.30	.	2.72	0.68
1ST QUARTILE	37.0	552	27.10	4.17	.	2.03	0.62
2ND QUARTILE	41.0	1016	33.50	4.24	.	2.90	0.74
3RD QUARTILE	56.5	1544	41.65	4.47	.	4.18	0.83
VOL. WGT. MEAN	.	1259	33.17	.	.	2.96	0.76
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.60	0.63	0.780	0.085	0.065	0.355	0.750
MINIMUM	0.12	0.04	0.270	0.020	0.015	0.025	0.198
ARITH. MEAN	0.29	0.17	0.477	0.044	0.035	0.074	0.419
ARITH. STD. DEV	0.13	0.15	0.167	0.021	0.016	0.092	0.164
GEOM. MEAN	0.27	0.14	0.451	0.040	0.032	0.052	0.389
1ST QUARTILE	0.24	0.08	0.340	0.030	0.025	0.033	0.296
2ND QUARTILE	0.28	0.14	0.465	0.040	0.035	0.040	0.393
3RD QUARTILE	0.33	0.20	0.575	0.055	0.043	0.080	0.545
VOL. WGT. MEAN	0.30	0.18	0.485	0.044	0.032	0.075	0.433
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - KILLARNEY MIC TYPE A SITE NO.1 - - - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.010	8.10	1.80	7.80	96.22	4.77	0.66
MINIMUM	0.000	1.70	0.19	4.46	18.73	1.41	0.12
ARITH. MEAN	0.005	3.40	0.82	6.29	49.18	3.28	0.27
ARITH. STD. DEV	0.003	1.74	0.47	1.57	32.45	1.18	0.15
GEOM. MEAN	0.005	3.10	0.70	6.11	39.92	3.05	0.24
1ST QUARTILE	0.004	2.30	0.44	4.58	19.76	2.92	0.17
2ND QUARTILE	0.005	3.10	0.72	7.23	38.09	3.51	0.22
3RD QUARTILE	0.006	3.90	1.10	7.71	80.76	3.76	0.34
VOL. WGT. MEAN	0.005	3.36	0.76	6.30	44.84	3.10	0.29
MISSING VALUES	1	2	2	6	6	4	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	83.30	8.06	0.32	132.00	95.50		
MINIMUM	19.56	0.79	0.06	33.10	13.18		
ARITH. MEAN	44.86	2.76	0.20	88.97	55.60		
ARITH. STD. DEV	18.07	2.17	0.09	28.64	25.17		
GEOM. MEAN	41.54	2.21	0.18	83.59	49.07		
1ST QUARTILE	30.42	1.81	0.12	73.00	34.79		
2ND QUARTILE	44.85	2.12	0.22	93.05	58.21		
3RD QUARTILE	54.71	2.96	0.31	109.50	67.61		
VOL. WGT. MEAN	41.35	2.40	0.19	89.34	57.54		
MISSING VALUES	2	4	2	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -LAC LA CROIX MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	119.0	2987	18.00	6.27	.	1.75	0.65
MINIMUM	8.5	164	5.50	4.54	.	0.55	0.17
ARITH. MEAN	50.4	1280	9.84	5.11	.	1.18	0.33
ARITH. STD. DEV	39.1	1067	3.65	0.46	.	0.39	0.16
GEOM. MEAN	35.3	836	9.28	5.09	.	1.11	0.30
1ST QUARTILE	16.8	355	7.00	4.79	.	0.80	0.19
2ND QUARTILE	38.6	807	9.50	5.01	.	1.30	0.27
3RD QUARTILE	82.0	2272	10.00	5.31	.	1.35	0.39
VOL. WGT. MEAN	.	2024	8.36	.	.	1.15	0.26
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.57	0.26	0.720	0.095	0.110	0.250	0.688
MINIMUM	0.06	0.01	0.160	0.010	0.010	0.000	0.084
ARITH. MEAN	0.20	0.09	0.372	0.032	0.031	0.067	0.304
ARITH. STD. DEV	0.14	0.07	0.153	0.023	0.025	0.074	0.169
GEOM. MEAN	0.17	0.07	0.343	0.027	0.025	0.048	0.263
1ST QUARTILE	0.10	0.05	0.310	0.020	0.020	0.020	0.204
2ND QUARTILE	0.18	0.09	0.370	0.025	0.025	0.035	0.260
3RD QUARTILE	0.26	0.12	0.430	0.035	0.030	0.075	0.356
VOL. WGT. MEAN	0.18	0.07	0.389	0.030	0.042	0.036	0.328
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -LAC LA CROIX MIC TYPE A SITE NO.1 -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.032	23.00	1.40	3.46	197.10	2.18	0.21
MINIMUM	: 0.000	1.20	0.00	0.00	0.00	0.00	0.00
ARITH. MEAN	: 0.008	5.23	0.42	1.54	65.70	1.22	0.07
ARITH. STD. DEV	: 0.009	5.75	0.51	1.22	113.80	0.69	0.07
GEOM. MEAN	: 0.007	3.90	0.45	1.76	197.10	1.30	0.07
1ST QUARTILE	: 0.002	3.15	0.00	0.68	0.00	0.82	0.03
2ND QUARTILE	: 0.004	3.85	0.20	1.45	0.00	1.34	0.06
3RD QUARTILE	: 0.009	4.65	0.84	2.66	197.10	1.63	0.11
VOL. WGT. MEAN	: 0.005	4.00	0.22	1.63	62.48	1.30	0.06
MISSING VALUES	: 0	1	1	4	10	5	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 58.23	0.82	0.30	60.20	28.84		
MINIMUM	: 11.52	0.00	0.00	17.10	0.54		
ARITH. MEAN	: 30.52	0.33	0.08	33.25	11.26		
ARITH. STD. DEV	: 16.68	0.36	0.12	11.56	8.22		
GEOM. MEAN	: 26.12	0.52	0.16	31.56	7.85		
1ST QUARTILE	: 14.63	0.00	0.00	25.40	4.90		
2ND QUARTILE	: 28.97	0.27	0.00	30.10	9.77		
3RD QUARTILE	: 43.83	0.79	0.16	39.20	16.22		
VOL. WGT. MEAN	: 26.85	0.30	0.04	28.98	12.59		
MISSING VALUES	: 1	6	1	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ MATTAWA MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	110.0	2850	45.50	5.02	.	4.20	1.01
MINIMUM	32.1	595	14.00	4.00	.	0.85	0.26
ARITH. MEAN	65.1	1462	25.21	4.40	.	2.44	0.54
ARITH. STD. DEV	25.5	636	9.05	0.26	.	1.11	0.22
GEOM. MEAN	60.7	1347	23.80	4.39	.	2.19	0.50
1ST QUARTILE	52.0	1036	18.00	4.23	.	1.50	0.37
2ND QUARTILE	57.8	1276	24.50	4.35	.	2.40	0.48
3RD QUARTILE	91.0	1620	31.99	4.51	.	2.85	0.72
VOL. WGT. MEAN	.	1586	24.50	.	.	2.55	0.51
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.46	0.49	1.090	0.115	0.060	0.295	0.746
MINIMUM	0.08	0.05	0.190	0.015	0.010	0.020	0.146
ARITH. MEAN	0.19	0.14	0.408	0.032	0.028	0.071	0.326
ARITH. STD. DEV	0.11	0.12	0.240	0.027	0.015	0.076	0.161
GEOM. MEAN	0.17	0.11	0.363	0.026	0.025	0.049	0.296
1ST QUARTILE	0.14	0.07	0.290	0.020	0.020	0.025	0.238
2ND QUARTILE	0.18	0.10	0.310	0.025	0.023	0.035	0.282
3RD QUARTILE	0.20	0.18	0.490	0.030	0.040	0.110	0.364
VOL. WGT. MEAN	0.22	0.13	0.448	0.037	0.029	0.063	0.349
MISSING VALUES	0	0	0	0	1	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =MATTAWA MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.039	7.40	1.10	6.38	201.28	3.21	0.48
MINIMUM	: 0.000	1.30	0.12	2.11	0.00	1.40	0.06
ARITH. MEAN	: 0.007	3.13	0.44	4.29	63.48	2.07	0.16
ARITH. STD. DEV	: 0.010	1.64	0.34	1.40	56.16	0.67	0.11
GEOM. MEAN	: 0.006	2.80	0.34	4.05	54.28	1.98	0.14
1ST QUARTILE	: 0.003	1.90	0.19	2.86	20.38	1.54	0.09
2ND QUARTILE	: 0.005	3.00	0.23	4.58	53.58	1.75	0.12
3RD QUARTILE	: 0.007	3.50	0.68	5.12	95.28	2.55	0.19
VOL. WGT. MEAN	: 0.009	3.29	0.42	4.11	56.15	2.03	0.15
MISSING VALUES	: 1	0	0	3	2	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 136.27	3.41	0.21	109.00	100.00		
MINIMUM	: 10.49	0.82	0.00	38.20	9.55		
ARITH. MEAN	: 42.40	1.66	0.09	72.04	46.20		
ARITH. STD. DEV	: 32.75	0.72	0.07	21.51	23.55		
GEOM. MEAN	: 34.04	1.55	0.12	68.85	40.09		
1ST QUARTILE	: 20.26	1.33	0.00	58.60	30.90		
2ND QUARTILE	: 34.94	1.41	0.08	74.60	44.67		
3RD QUARTILE	: 51.68	2.08	0.16	89.50	58.88		
VOL. WGT. MEAN	: 39.48	1.72	0.08	68.43	60.26		
MISSING VALUES	: 0	3	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =MCKELLAR MIC TYPE A SITE NO.1 _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	12.0	12	12	12	12	12	12
MAXIMUM	184.0	3470	62.00	7.58	.	5.15	1.10
MINIMUM	14.0	492	13.50	3.86	.	1.20	0.37
ARITH. MEAN	60.4	1457	29.84	4.66	.	2.70	0.65
ARITH. STD. DEV	44.9	864	13.63	0.95	.	1.18	0.21
GEOM. MEAN	48.8	1257	27.40	4.59	.	2.46	0.62
1ST QUARTILE	36.5	843	19.85	4.27	.	1.92	0.50
2ND QUARTILE	46.7	1340	29.22	4.42	.	2.60	0.65
3RD QUARTILE	73.3	1707	33.75	4.71	.	3.13	0.76
VOL. WGT. MEAN	.	2013	23.92	.	.	2.23	0.59
MISSING VALUES	0.0	0	0	0	12	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	12	12	12	12	12	12	12
MAXIMUM	0.32	0.27	1.180	0.110	0.205	0.140	1.110
MINIMUM	0.12	0.06	0.310	0.015	0.010	0.010	0.230
ARITH. MEAN	0.20	0.15	0.556	0.040	0.050	0.060	0.468
ARITH. STD. DEV	0.06	0.08	0.303	0.026	0.055	0.050	0.250
GEOM. MEAN	0.19	0.13	0.500	0.035	0.035	0.040	0.423
1ST QUARTILE	0.16	0.09	0.380	0.025	0.023	0.015	0.332
2ND QUARTILE	0.20	0.13	0.415	0.033	0.028	0.035	0.373
3RD QUARTILE	0.22	0.25	0.630	0.050	0.053	0.112	0.548
VOL. WGT. MEAN	0.19	0.14	0.548	0.033	0.054	0.055	0.446
MISSING VALUES	1	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -MCKELLAR MIC TYPE A SITE NO.1 -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 12	12	12	12	12	12	12
MAXIMUM	: 0.088	5.00	2.00	12.33	78.94	4.79	0.59
MINIMUM	: 0.000	0.11	0.00	2.17	0.00	0.00	0.10
ARITH. MEAN	: 0.014	2.52	0.56	5.71	35.98	2.65	0.24
ARITH. STD. DEV	: 0.026	1.35	0.53	3.10	24.76	1.57	0.14
GEOM. MEAN	: 0.008	1.95	0.46	5.02	36.80	2.55	0.21
1ST QUARTILE	: 0.003	1.70	0.20	4.08	23.16	1.07	0.14
2ND QUARTILE	: 0.005	2.15	0.45	5.56	31.33	2.79	0.19
3RD QUARTILE	: 0.009	3.60	0.73	6.84	49.96	4.15	0.28
VOL. WGT. MEAN	: 0.017	2.65	0.39	4.88	39.80	2.36	0.22
MISSING VALUES	: 0	0	0	3	4	1	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 12	12	12	12	12.00		
MAXIMUM	: 54.01	5.02	0.34	150.00	138.04		
MINIMUM	: 5.93	0.84	0.00	11.80	0.03		
ARITH. MEAN	: 32.94	2.53	0.12	67.31	44.20		
ARITH. STD. DEV	: 13.19	1.47	0.10	34.84	34.99		
GEOM. MEAN	: 29.17	2.16	0.15	57.84	21.96		
1ST QUARTILE	: 28.38	1.41	0.05	46.20	19.73		
2ND QUARTILE	: 32.77	2.25	0.13	65.70	38.52		
3RD QUARTILE	: 42.31	3.54	0.16	80.95	53.76		
VOL. WGT. MEAN	: 28.43	2.36	0.10	58.86	66.07		
MISSING VALUES	: 0	4	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION_ _ _MERLIN MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	194.0	4831	53.00	7.16	.	12.10	2.45
MINIMUM	9.8	228	12.50	3.73	.	1.75	0.40
ARITH. MEAN	57.7	1397	30.25	5.11	.	4.87	0.95
ARITH. STD. DEV	50.3	1246	13.58	1.15	.	2.66	0.61
GEOM. MEAN	41.9	999	27.37	5.00	.	4.34	0.80
1ST QUARTILE	28.0	723	19.24	4.24	.	3.25	0.55
2ND QUARTILE	46.6	1105	28.50	4.88	.	4.20	0.66
3RD QUARTILE	63.0	1445	42.50	5.36	.	5.60	1.29
VOL. WGT. MEAN	.	2388	27.49	.	.	4.08	0.65
MISSING VALUES	0.0	0	1	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	4.15	3.45	1.750	0.935	0.330	1.840	1.460
MINIMUM	0.14	0.12	0.320	0.030	0.015	0.015	0.194
ARITH. MEAN	1.32	0.69	0.778	0.270	0.104	0.335	0.607
ARITH. STD. DEV	1.44	0.96	0.435	0.319	0.092	0.529	0.398
GEOM. MEAN	0.75	0.39	0.684	0.150	0.072	0.127	0.511
1ST QUARTILE	0.31	0.16	0.475	0.060	0.035	0.060	0.341
2ND QUARTILE	0.71	0.32	0.665	0.152	0.075	0.115	0.540
3RD QUARTILE	1.99	0.55	0.870	0.318	0.155	0.310	0.616
VOL. WGT. MEAN	0.69	0.38	0.651	0.137	0.130	0.175	0.536
MISSING VALUES	1	0	1	1	0	0	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -MERLIN MIC TYPE A SITE NO.1 _ _ _ _
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.167	22.00	2.70	57.91	340.55	56.20	1.30
MINIMUM	: 0.002	1.10	0.15	5.48	12.37	1.10	0.09
ARITH. MEAN	: 0.025	7.21	0.85	15.66	101.71	9.70	0.42
ARITH. STD. DEV	: 0.044	6.46	0.67	14.90	113.62	16.03	0.39
GEOM. MEAN	: 0.012	5.09	0.64	11.88	59.17	4.80	0.30
1ST QUARTILE	: 0.005	3.30	0.50	6.88	27.27	2.05	0.16
2ND QUARTILE	: 0.010	4.00	0.82	10.15	47.98	4.93	0.34
3RD QUARTILE	: 0.025	9.30	1.10	18.72	155.13	6.39	0.41
VOL. WGT. MEAN	: 0.050	4.48	0.57	9.84	51.55	6.56	0.30
MISSING VALUES	: 0	0	0	1	5	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 325.60	16.91	0.57	233.00	186.21		
MINIMUM	: 12.72	0.67	0.00	16.40	0.07		
ARITH. MEAN	: 102.25	4.13	0.22	64.15	39.85		
ARITH. STD. DEV	: 108.93	4.51	0.17	61.20	55.27		
GEOM. MEAN	: 61.07	2.67	0.21	45.57	7.76		
1ST QUARTILE	: 29.21	1.23	0.07	25.60	4.37		
2ND QUARTILE	: 49.98	2.89	0.19	43.20	13.18		
3RD QUARTILE	: 141.72	4.81	0.35	81.90	57.54		
VOL. WGT. MEAN	: 55.92	2.90	0.18	56.25	0.07		
MISSING VALUES	: 0	1	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ -MOONBEAM MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	117.0	2451	60.00	7.51	.	5.60	0.65
MINIMUM	8.0	174	5.00	4.41	.	0.40	0.15
ARITH. MEAN	51.3	1037	17.56	5.09	.	1.91	0.34
ARITH. STD. DEV	31.4	753	15.02	0.86	.	1.66	0.17
GEOM. MEAN	40.8	747	13.76	5.04	.	1.45	0.31
1ST QUARTILE	30.0	462	10.00	4.60	.	0.90	0.20
2ND QUARTILE	46.8	966	13.00	4.81	.	1.35	0.36
3RD QUARTILE	68.4	1779	18.00	5.18	.	1.65	0.40
VOL. WGT. MEAN	.	1410	18.54	.	.	1.91	0.32
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.76	0.48	1.560	0.195	1.290	0.535	0.994
MINIMUM	0.06	0.02	0.100	0.010	0.000	0.015	0.000
ARITH. MEAN	0.24	0.15	0.431	0.045	0.160	0.115	0.328
ARITH. STD. DEV	0.19	0.15	0.437	0.049	0.359	0.144	0.328
GEOM. MEAN	0.19	0.10	0.298	0.032	0.050	0.066	0.244
1ST QUARTILE	0.13	0.05	0.150	0.020	0.025	0.030	0.088
2ND QUARTILE	0.18	0.08	0.250	0.030	0.025	0.050	0.234
3RD QUARTILE	0.28	0.19	0.505	0.040	0.055	0.115	0.372
VOL. WGT. MEAN	0.24	0.14	0.371	0.047	0.195	0.115	0.308
MISSING VALUES	0	0	1	0	0	0	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -MOONBEAM MIC TYPE A SITE NO.1 - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.740	4.40	1.90	30.87	182.06	4.26	0.39
MINIMUM	0.000	1.30	0.00	1.83	0.00	0.64	0.05
ARITH. MEAN	0.074	2.79	0.44	12.01	70.15	2.56	0.16
ARITH. STD. DEV	0.204	1.17	0.52	9.86	73.85	1.26	0.11
GEOM. MEAN	0.012	2.55	0.32	8.58	64.89	2.15	0.13
1ST QUARTILE	0.004	1.80	0.16	4.38	0.00	0.86	0.08
2ND QUARTILE	0.004	2.60	0.20	8.70	70.57	3.08	0.11
3RD QUARTILE	0.017	3.80	0.59	14.49	149.38	3.45	0.21
VOL. WGT. MEAN	0.098	2.67	0.32	10.96	51.03	2.00	0.14
MISSING VALUES	0	0	0	4	6	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	154.40	3.26	0.56	60.70	38.90		
MINIMUM	7.84	0.68	0.00	16.20	0.03		
ARITH. MEAN	50.77	1.40	0.23	36.87	16.73		
ARITH. STD. DEV	50.66	0.99	0.20	11.72	12.09		
GEOM. MEAN	34.27	1.18	0.21	34.93	8.07		
1ST QUARTILE	19.59	0.70	0.09	30.40	6.61		
2ND QUARTILE	25.24	0.98	0.16	38.30	15.49		
3RD QUARTILE	42.95	1.77	0.42	43.50	25.12		
VOL. WGT. MEAN	41.66	1.43	0.16	35.76	19.05		
MISSING VALUES	0	7	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ MOOSENEE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	105.0	2928	18.00	5.36	.	2.65	0.32
MINIMUM	3.0	38	5.00	4.55	.	0.35	0.15
ARITH. MEAN	47.6	1170	10.30	4.96	.	1.11	0.22
ARITH. STD. DEV	31.5	854	3.92	0.28	.	0.74	0.06
GEOM. MEAN	34.3	776	9.66	4.95	.	0.91	0.21
1ST QUARTILE	20.7	410	7.50	4.76	.	0.45	0.18
2ND QUARTILE	47.0	1193	9.50	4.86	.	0.90	0.20
3RD QUARTILE	71.2	1822	13.00	5.23	.	1.60	0.27
VOL. WGT. MEAN	.	1616	11.66	.	.	1.28	0.23
MISSING VALUES	0.0	0	1	1	11	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.49	1.52	1.190	0.155	0.135	0.630	1.080
MINIMUM	0.00	0.03	0.040	0.000	0.000	0.000	0.010
ARITH. MEAN	0.16	0.41	0.337	0.045	0.055	0.180	0.257
ARITH. STD. DEV	0.14	0.50	0.334	0.044	0.048	0.217	0.305
GEOM. MEAN	0.17	0.19	0.217	0.036	0.039	0.115	0.131
1ST QUARTILE	0.08	0.06	0.080	0.015	0.005	0.040	0.048
2ND QUARTILE	0.14	0.21	0.290	0.040	0.050	0.070	0.198
3RD QUARTILE	0.24	0.51	0.420	0.055	0.100	0.250	0.362
VOL. WGT. MEAN	0.19	0.47	0.306	0.052	0.062	0.218	0.230
MISSING VALUES	0	1	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - MOOSONEE MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.009	3.40	0.47	63.21	23.61	10.43	0.13
MINIMUM	0.000	0.42	0.00	1.46	0.00	0.00	0.03
ARITH. MEAN	0.004	1.65	0.25	11.47	11.43	2.48	0.08
ARITH. STD. DEV	0.003	0.97	0.17	19.50	11.83	3.36	0.04
GEOM. MEAN	0.005	1.36	0.31	6.05	15.87	1.76	0.07
1ST QUARTILE	0.000	0.72	0.18	4.28	0.00	0.87	0.05
2ND QUARTILE	0.004	1.70	0.28	5.03	10.66	1.43	0.07
3RD QUARTILE	0.007	2.30	0.36	7.37	23.61	2.40	0.11
VOL. WGT. MEAN	0.004	1.67	0.26	17.55	10.05	2.26	0.07
MISSING VALUES	0	1	2	2	8	3	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	11	11	11	11	11.00		
MAXIMUM	51.26	2.23	0.23	44.50	28.18		
MINIMUM	4.67	0.60	0.00	17.40	4.37		
ARITH. MEAN	16.72	1.40	0.08	31.23	13.05		
ARITH. STD. DEV	12.90	0.59	0.08	8.81	7.46		
GEOM. MEAN	13.87	1.29	0.10	30.00	11.02		
1ST QUARTILE	10.76	0.95	0.00	25.60	5.89		
2ND QUARTILE	13.22	1.32	0.07	33.15	13.97		
3RD QUARTILE	18.38	1.93	0.14	36.20	17.38		
VOL. WGT. MEAN	15.01	1.32	0.07	32.53	4.37		
MISSING VALUES	1	3	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - PALMERSTON MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	100.0	2698	59.74	7.35	.	6.25	1.03
MINIMUM	20.1	133	10.50	3.99	.	1.60	0.15
ARITH. MEAN	55.3	1161	27.73	5.04	.	3.57	0.65
ARITH. STD. DEV	21.7	707	13.65	1.12	.	1.42	0.23
GEOM. MEAN	51.1	943	25.01	4.94	.	3.30	0.60
1ST QUARTILE	40.0	717	18.00	4.26	.	3.05	0.54
2ND QUARTILE	58.1	882	26.00	4.53	.	3.25	0.63
3RD QUARTILE	61.5	1417	31.50	5.67	.	4.05	0.79
VOL. WGT. MEAN	.	1274	26.12	.	.	3.29	0.64
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	1.44	0.65	1.520	0.505	0.440	0.280	1.100
MINIMUM	0.12	0.10	0.410	0.030	0.015	0.020	0.126
ARITH. MEAN	0.51	0.24	0.880	0.124	0.074	0.097	0.663
ARITH. STD. DEV	0.40	0.17	0.280	0.127	0.113	0.090	0.293
GEOM. MEAN	0.40	0.20	0.838	0.092	0.046	0.066	0.582
1ST QUARTILE	0.28	0.13	0.775	0.055	0.025	0.035	0.486
2ND QUARTILE	0.40	0.15	0.900	0.090	0.040	0.050	0.752
3RD QUARTILE	0.64	0.31	0.940	0.120	0.055	0.150	0.882
VOL. WGT. MEAN	0.52	0.25	0.856	0.129	0.079	0.101	0.660
MISSING VALUES	1	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - -PALMERSTON MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.290	13.00	1.70	25.86	501.08	4.70	0.67
MINIMUM	0.000	1.20	0.14	3.11	0.00	0.97	0.01
ARITH. MEAN	0.049	3.90	0.52	8.28	122.64	2.72	0.25
ARITH. STD. DEV	0.090	3.36	0.44	6.29	213.49	1.02	0.19
GEOM. MEAN	0.018	3.05	0.41	6.92	115.41	2.54	0.18
1ST QUARTILE	0.005	2.40	0.27	4.15	0.00	2.07	0.13
2ND QUARTILE	0.009	2.70	0.39	6.82	47.38	2.58	0.20
3RD QUARTILE	0.020	3.90	0.53	9.94	64.74	3.14	0.36
VOL. WGT. MEAN	0.040	3.99	0.54	8.76	66.03	2.59	0.26
MISSING VALUES	0	0	0	2	8	0	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	481.48	6.46	0.49	140.00	102.33		
MINIMUM	13.15	0.62	0.00	15.90	0.04		
ARITH. MEAN	75.60	1.70	0.18	58.75	34.43		
ARITH. STD. DEV	124.91	1.74	0.17	37.97	33.26		
GEOM. MEAN	42.68	1.29	0.19	46.87	9.14		
1ST QUARTILE	27.69	0.85	0.08	20.60	2.14		
2ND QUARTILE	40.56	1.13	0.11	57.80	29.51		
3RD QUARTILE	53.66	1.75	0.30	86.60	54.95		
VOL. WGT. MEAN	51.77	1.27	0.19	57.17	2.14		
MISSING VALUES	0	3	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - PICKLE LAKE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	98.0	2720	30.00	7.17	.	4.20	0.72
MINIMUM	8.9	0	3.50	4.64	.	0.35	0.12
ARITH. MEAN	36.9	767	10.29	5.84	.	1.42	0.28
ARITH. STD. DEV	27.0	774	8.35	0.96	.	1.23	0.20
GEOM. MEAN	29.2	553	8.05	5.77	.	1.07	0.24
1ST QUARTILE	20.2	183	4.50	5.01	.	0.68	0.15
2ND QUARTILE	22.2	458	7.50	5.85	.	1.05	0.21
3RD QUARTILE	60.0	985	13.50	6.73	.	1.55	0.31
VOL. WGT. MEAN	.	1279	8.94	.	.	1.20	0.23
MISSING VALUES	0.0	0	1	1	13	1	1
	CALCIUM MG/L	CHLORIDE MG/L	KJELDAHL MG/L	MAGNESIUM MG/L	POTASSIUM MG/L	SODIUM MG/L	AMMONIUM MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.66	0.59	1.070	0.420	0.430	0.630	0.842
MINIMUM	0.06	0.05	0.040	0.005	0.005	0.010	0.022
ARITH. MEAN	0.28	0.13	0.433	0.095	0.071	0.100	0.312
ARITH. STD. DEV	0.22	0.15	0.373	0.118	0.117	0.172	0.334
GEOM. MEAN	0.21	0.09	0.294	0.050	0.034	0.048	0.161
1ST QUARTILE	0.12	0.06	0.150	0.020	0.018	0.023	0.056
2ND QUARTILE	0.18	0.08	0.310	0.045	0.028	0.050	0.168
3RD QUARTILE	0.56	0.13	0.850	0.112	0.077	0.072	0.760
VOL. WGT. MEAN	0.24	0.10	0.425	0.069	0.095	0.056	0.306
MISSING VALUES	2	1	2	1	1	1	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ -PICKLE LAKE MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.265	8.80	1.10	24.66	300.69	8.86	0.30
MINIMUM	0.000	1.10	0.00	0.00	0.00	0.00	0.00
ARITH. MEAN	0.032	4.03	0.46	5.83	97.73	2.13	0.10
ARITH. STD. DEV	0.075	2.59	0.37	7.50	137.68	2.64	0.10
GEOM. MEAN	0.012	3.24	0.46	4.19	80.64	1.68	0.08
1ST QUARTILE	0.004	1.80	0.15	1.66	14.02	0.93	0.03
2ND QUARTILE	0.006	4.00	0.49	3.44	45.11	1.46	0.05
3RD QUARTILE	0.026	5.70	0.69	7.12	181.43	2.30	0.17
VOL. WGT. MEAN	0.048	4.39	0.32	4.25	72.20	1.52	0.08
MISSING VALUES	1	3	2	4	9	4	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	145.15	8.39	0.50	48.90	22.91		
MINIMUM	8.03	0.00	0.00	12.90	0.07		
ARITH. MEAN	48.64	2.74	0.06	26.06	6.05		
ARITH. STD. DEV	49.59	2.98	0.16	10.50	7.69		
GEOM. MEAN	31.66	1.87	0.19	24.28	1.44		
1ST QUARTILE	20.33	0.54	0.00	18.95	0.26		
2ND QUARTILE	23.92	1.71	0.00	23.70	1.43		
3RD QUARTILE	58.77	3.37	0.00	31.25	9.89		
VOL. WGT. MEAN	36.45	2.49	0.03	24.43	9.55		
MISSING VALUES	3	4	3	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _PORT STANLEY MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	105.0	3161	74.35	7.54	.	7.55	1.36
MINIMUM	13.1	245	15.00	3.83	.	2.10	0.25
ARITH. MEAN	50.7	1315	35.93	5.02	.	4.32	0.84
ARITH. STD. DEV	29.3	891	16.76	1.37	.	1.70	0.34
GEOM. MEAN	42.9	1039	32.71	4.87	.	4.02	0.76
1ST QUARTILE	28.0	763	26.50	4.21	.	3.00	0.63
2ND QUARTILE	33.0	994	31.00	4.31	.	3.55	0.74
3RD QUARTILE	77.0	1684	43.50	5.96	.	5.50	1.16
VOL. WGT. MEAN	.	1755	38.66	.	.	4.38	0.77
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.23	1.81	1.050	0.510	0.650	0.545	1.060
MINIMUM	0.16	0.09	0.340	0.025	0.015	0.015	0.046
ARITH. MEAN	0.90	0.47	0.586	0.185	0.090	0.167	0.441
ARITH. STD. DEV	0.72	0.53	0.222	0.167	0.169	0.188	0.245
GEOM. MEAN	0.64	0.30	0.551	0.123	0.049	0.092	0.361
1ST QUARTILE	0.40	0.16	0.410	0.065	0.030	0.043	0.384
2ND QUARTILE	0.53	0.22	0.530	0.115	0.045	0.067	0.450
3RD QUARTILE	1.38	0.66	0.670	0.260	0.065	0.275	0.530
VOL. WGT. MEAN	0.59	0.33	0.567	0.116	0.067	0.112	0.461
MISSING VALUES	1	1	0	0	0	1	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -PORT STANLEY MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.140	21.00	1.40	17.14	289.93	9.90	0.99
MINIMUM	0.003	0.27	0.00	3.68	17.97	1.40	0.07
ARITH. MEAN	0.031	5.54	0.46	8.40	110.12	4.06	0.32
ARITH. STD. DEV	0.043	5.80	0.37	3.82	106.91	2.34	0.25
GEOM. MEAN	0.015	3.47	0.42	7.69	68.21	3.56	0.26
1ST QUARTILE	0.006	2.80	0.24	6.00	23.69	2.79	0.19
2ND QUARTILE	0.013	3.70	0.39	6.73	77.54	3.57	0.25
3RD QUARTILE	0.030	4.50	0.57	11.10	174.04	5.58	0.33
VOL. WGT. MEAN	0.022	4.60	0.39	7.94	57.04	3.60	0.28
MISSING VALUES	0	0	0	2	7	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	281.82	28.13	1.00	188.00	147.91		
MINIMUM	21.39	0.65	0.00	11.50	0.03		
ARITH. MEAN	88.03	4.30	0.22	76.42	51.21		
ARITH. STD. DEV	82.04	8.09	0.29	53.54	47.06		
GEOM. MEAN	63.19	1.90	0.19	55.93	9.57		
1ST QUARTILE	33.92	0.69	0.07	25.50	1.10		
2ND QUARTILE	52.46	1.76	0.12	80.40	48.98		
3RD QUARTILE	109.88	2.38	0.20	87.80	61.66		
VOL. WGT. MEAN	60.94	5.60	0.18	91.65	0.10		
MISSING VALUES	0	2	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ =PT. PETRE MIC TYPE A SITE NO.1 _ _ _ _ _

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	120.0	2599	44.50	4.90	.	5.20	1.32
MINIMUM	36.0	173	15.50	4.11	.	1.10	0.19
ARITH. MEAN	63.9	1464	31.02	4.33	.	2.99	0.67
ARITH. STD. DEV	23.6	669	10.45	0.23	.	1.12	0.35
GEOM. MEAN	60.3	1231	29.20	4.32	.	2.77	0.58
1ST QUARTILE	46.2	1269	19.44	4.17	.	2.08	0.41
2ND QUARTILE	63.0	1446	32.00	4.28	.	3.13	0.65
3RD QUARTILE	71.0	1906	40.25	4.43	.	3.63	0.86
VOL. WGT. MEAN	.	1604	29.85	.	.	2.96	0.63
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.76	0.87	1.680	0.120	0.170	0.450	1.240
MINIMUM	0.12	0.03	0.190	0.025	0.020	0.015	0.042
ARITH. MEAN	0.28	0.22	0.565	0.044	0.052	0.097	0.455
ARITH. STD. DEV	0.19	0.23	0.438	0.027	0.045	0.119	0.326
GEOM. MEAN	0.24	0.16	0.459	0.039	0.040	0.061	0.348
1ST QUARTILE	0.15	0.10	0.320	0.025	0.028	0.035	0.258
2ND QUARTILE	0.18	0.15	0.390	0.033	0.030	0.050	0.370
3RD QUARTILE	0.37	0.25	0.660	0.053	0.067	0.120	0.597
VOL. WGT. MEAN	0.27	0.19	0.554	0.042	0.052	0.083	0.458
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -PT. PETRE MIC TYPE A SITE NO.1 - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.152	6.50	1.20	6.10	31.31	5.15	0.58
MINIMUM	: 0.002	0.72	0.00	2.44	0.00	0.58	0.10
ARITH. MEAN	: 0.026	2.57	0.35	4.88	14.43	2.48	0.31
ARITH. STD. DEV	: 0.044	1.69	0.37	1.31	12.76	1.30	0.18
GEOM. MEAN	: 0.011	2.15	0.33	4.69	20.57	2.16	0.26
1ST QUARTILE	: 0.004	1.40	0.14	4.47	0.00	1.87	0.16
2ND QUARTILE	: 0.006	1.80	0.22	5.33	15.19	2.26	0.32
3RD QUARTILE	: 0.022	3.30	0.55	5.61	24.90	2.51	0.48
VOL. WGT. MEAN	: 0.026	2.43	0.33	5.12	14.89	2.29	0.31
MISSING VALUES	: 1	2	2	7	7	4	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 54.20	3.01	0.26	114.00	77.62		
MINIMUM	: 16.10	0.51	0.00	43.30	12.59		
ARITH. MEAN	: 30.79	1.11	0.05	81.27	51.81		
ARITH. STD. DEV	: 11.52	0.87	0.08	23.51	20.36		
GEOM. MEAN	: 29.01	0.92	0.12	77.87	46.86		
1ST QUARTILE	: 23.32	0.53	0.00	57.35	37.89		
2ND QUARTILE	: 25.96	0.77	0.00	85.80	52.70		
3RD QUARTILE	: 41.36	1.11	0.10	102.00	68.43		
VOL. WGT. MEAN	: 30.08	1.24	0.05	77.82	70.79		
MISSING VALUES	: 2	6	2	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - -QUETICO CENTRE MIC TYPE A SITE NO.1 - - - - -

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	112.0	3111	16.50	7.06	.	1.50	0.54
MINIMUM	13.3	148	4.50	4.57	.	0.60	0.08
ARITH. MEAN	47.2	1057	8.95	5.22	.	1.03	0.27
ARITH. STD. DEV	33.5	1043	3.79	0.69	.	0.32	0.15
GEOM. MEAN	37.2	646	8.33	5.19	.	0.99	0.23
1ST QUARTILE	24.6	287	6.69	4.78	.	0.80	0.15
2ND QUARTILE	32.2	549	7.50	5.05	.	1.05	0.24
3RD QUARTILE	66.0	1917	10.50	5.44	.	1.28	0.36
VOL. WGT. MEAN	.	1750	7.56	.	.	1.02	0.24
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.29	0.36	0.520	0.050	0.105	0.235	0.532
MINIMUM	0.04	0.02	0.160	0.005	0.005	0.000	0.000
ARITH. MEAN	0.18	0.14	0.301	0.026	0.032	0.084	0.197
ARITH. STD. DEV	0.09	0.10	0.123	0.014	0.029	0.070	0.167
GEOM. MEAN	0.15	0.11	0.280	0.021	0.023	0.066	0.132
1ST QUARTILE	0.08	0.08	0.210	0.015	0.015	0.025	0.054
2ND QUARTILE	0.20	0.12	0.270	0.025	0.020	0.080	0.190
3RD QUARTILE	0.26	0.17	0.370	0.035	0.038	0.110	0.254
VOL. WGT. MEAN	0.17	0.10	0.331	0.027	0.034	0.044	0.249
MISSING VALUES	1	1	1	1	1	2	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -QUETICO CENTRE MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.029	6.80	1.30	101.86	40.31	5.26	1.10
MINIMUM	0.000	1.50	0.00	0.00	0.00	1.12	0.02
ARITH. MEAN	0.012	3.57	0.35	12.80	22.37	2.40	0.17
ARITH. STD. DEV	0.010	1.81	0.40	31.36	20.52	1.69	0.31
GEOM. MEAN	0.012	3.20	0.31	4.19	32.87	1.99	0.08
1ST QUARTILE	0.004	2.30	0.12	1.93	0.00	1.22	0.04
2ND QUARTILE	0.012	3.00	0.20	2.32	26.79	1.32	0.05
3RD QUARTILE	0.019	4.70	0.52	5.39	40.31	4.27	0.17
VOL. WGT. MEAN	0.008	3.53	0.28	6.36	30.15	1.83	0.13
MISSING VALUES	1	2	2	3	10	6	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	71.68	4.23	0.82	55.50	26.92		
MINIMUM	12.13	0.00	0.00	17.40	0.09		
ARITH. MEAN	38.56	1.20	0.21	33.22	10.98		
ARITH. STD. DEV	19.61	1.32	0.23	12.29	8.90		
GEOM. MEAN	33.77	1.03	0.19	31.34	5.96		
1ST QUARTILE	22.32	0.55	0.07	24.80	4.22		
2ND QUARTILE	30.82	0.77	0.12	28.30	9.03		
3RD QUARTILE	55.52	1.35	0.28	41.70	17.11		
VOL. WGT. MEAN	32.34	0.81	0.13	29.02	20.42		
MISSING VALUES	2	5	2	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _SHALLOW LAKE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	160.5	2449	60.50	4.67	.	6.55	0.86
MINIMUM	0.8	676	16.00	3.95	.	1.45	0.49
ARITH. MEAN	68.9	1379	32.38	4.29	.	3.51	0.68
ARITH. STD. DEV	47.8	629	13.38	0.24	.	1.72	0.15
GEOM. MEAN	43.9	1270	29.99	4.28	.	3.09	0.66
1ST QUARTILE	39.7	1104	24.00	4.12	.	1.55	0.52
2ND QUARTILE	48.0	1137	35.40	4.27	.	3.90	0.74
3RD QUARTILE	93.5	1414	36.00	4.41	.	4.25	0.80
VOL. WGT. MEAN	.	1576	27.64	.	.	2.96	0.64
MISSING VALUES	0.0	2	2	2	11	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.90	0.19	0.910	0.105	0.060	0.085	0.858
MINIMUM	0.14	0.06	0.290	0.030	0.015	0.010	0.258
ARITH. MEAN	0.35	0.13	0.598	0.059	0.033	0.046	0.564
ARITH. STD. DEV	0.22	0.04	0.211	0.026	0.013	0.027	0.214
GEOM. MEAN	0.31	0.13	0.563	0.054	0.031	0.037	0.526
1ST QUARTILE	0.31	0.12	0.440	0.040	0.030	0.020	0.418
2ND QUARTILE	0.32	0.13	0.580	0.050	0.035	0.055	0.546
3RD QUARTILE	0.34	0.17	0.760	0.070	0.035	0.065	0.718
VOL. WGT. MEAN	0.34	0.14	0.544	0.059	0.034	0.053	0.510
MISSING VALUES	2	2	2	2	2	2	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _SHALLOW LAKE MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.011	6.20	0.63	10.42	41.54	3.84	0.59
MINIMUM	0.000	1.10	0.11	3.20	0.00	0.63	0.16
ARITH. MEAN	0.004	2.98	0.34	5.78	17.02	2.67	0.24
ARITH. STD. DEV	0.004	1.61	0.17	2.45	19.64	1.05	0.13
GEOM. MEAN	0.005	2.61	0.30	5.37	33.00	2.39	0.22
1ST QUARTILE	0.002	1.90	0.18	3.98	0.00	2.16	0.17
2ND QUARTILE	0.003	2.80	0.34	5.24	11.52	2.71	0.21
3RD QUARTILE	0.006	3.60	0.45	7.08	37.56	3.56	0.22
VOL. WGT. MEAN	0.004	2.95	0.32	5.93	17.48	2.24	0.22
MISSING VALUES	2	2	2	3	5	3	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	11	11	11	11	11.00		
MAXIMUM	42.01	1.90	0.35	136.00	112.20		
MINIMUM	8.47	0.65	0.00	46.00	21.38		
ARITH. MEAN	25.34	1.17	0.10	81.49	58.69		
ARITH. STD. DEV	12.36	0.37	0.11	29.77	29.80		
GEOM. MEAN	22.34	1.13	0.12	76.75	51.81		
1ST QUARTILE	14.17	0.99	0.00	58.90	38.90		
2ND QUARTILE	28.11	1.16	0.08	83.40	53.70		
3RD QUARTILE	32.93	1.23	0.12	92.10	75.86		
VOL. WGT. MEAN	24.14	1.18	0.10	72.60	38.90		
MISSING VALUES	2	4	2	2	2.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _SMITHS FALLS MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	147.0	2255	52.00	4.70	.	5.25	1.16
MINIMUM	32.0	514	18.00	4.03	.	1.75	0.31
ARITH. MEAN	62.0	1339	27.52	4.37	.	2.97	0.66
ARITH. STD. DEV	29.5	653	9.82	0.18	.	0.93	0.30
GEOM. MEAN	57.2	1187	26.18	4.37	.	2.85	0.60
1ST QUARTILE	45.0	722	19.88	4.27	.	2.48	0.43
2ND QUARTILE	51.0	1154	25.75	4.41	.	2.85	0.52
3RD QUARTILE	73.0	2011	30.75	4.48	.	3.28	0.97
VOL. WGT. MEAN	.	1500	26.52	.	.	2.91	0.63
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.68	0.42	0.650	0.150	0.065	0.215	0.504
MINIMUM	0.24	0.05	0.190	0.050	0.015	0.010	0.026
ARITH. MEAN	0.41	0.17	0.435	0.093	0.030	0.078	0.369
ARITH. STD. DEV	0.15	0.12	0.128	0.034	0.013	0.073	0.134
GEOM. MEAN	0.38	0.13	0.415	0.087	0.028	0.048	0.313
1ST QUARTILE	0.28	0.06	0.380	0.063	0.023	0.023	0.329
2ND QUARTILE	0.37	0.12	0.430	0.087	0.030	0.038	0.383
3RD QUARTILE	0.54	0.27	0.530	0.117	0.035	0.137	0.483
VOL. WGT. MEAN	0.41	0.16	0.437	0.093	0.031	0.071	0.377
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ _ SMITHS FALLS MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.012	9.70	1.10	22.02	40.55	74.14	0.85
MINIMUM	0.002	2.50	0.00	3.34	0.00	1.13	0.16
ARITH. MEAN	0.006	4.26	0.33	7.98	20.97	9.10	0.39
ARITH. STD. DEV	0.003	1.94	0.38	6.45	12.91	20.51	0.25
GEOM. MEAN	0.005	3.97	0.48	6.45	24.18	3.87	0.33
1ST QUARTILE	0.004	3.20	0.00	4.14	18.65	2.35	0.20
2ND QUARTILE	0.005	3.75	0.26	5.31	21.94	3.49	0.28
3RD QUARTILE	0.008	4.55	0.49	9.77	22.71	4.18	0.55
VOL. WGT. MEAN	0.006	4.10	0.24	6.50	20.05	7.03	0.36
MISSING VALUES	1	1	1	5	7	1	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	107.71	1.64	0.31	120.00	93.33		
MINIMUM	14.64	0.00	0.00	41.60	19.95		
ARITH. MEAN	39.14	0.88	0.12	72.35	45.90		
ARITH. STD. DEV	24.10	0.59	0.10	23.40	20.50		
GEOM. MEAN	34.56	1.09	0.12	69.21	42.33		
1ST QUARTILE	28.02	0.77	0.06	57.65	33.11		
2ND QUARTILE	32.12	0.94	0.09	63.20	39.42		
3RD QUARTILE	42.79	1.07	0.18	83.95	53.93		
VOL. WGT. MEAN	37.39	0.73	0.10	67.00	.		
MISSING VALUES	1	4	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - -SUTTON MIC TYPE A SITE NO.1 - - - - -

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	130.2	3706	35.00	7.01	.	3.65	0.75
MINIMUM	6.0	47	8.00	4.26	.	0.80	0.22
ARITH. MEAN	73.1	2177	19.09	4.78	.	1.92	0.42
ARITH. STD. DEV	31.3	1091	8.51	0.80	.	0.86	0.16
GEOM. MEAN	61.5	1572	17.29	4.73	.	1.77	0.39
1ST QUARTILE	61.9	1324	11.00	4.30	.	1.40	0.29
2ND QUARTILE	80.5	2297	17.00	4.50	.	1.55	0.36
3RD QUARTILE	90.5	3099	27.01	5.05	.	2.40	0.54
VOL. WGT. MEAN	.	2123	18.98	.	.	1.99	0.41
MISSING VALUES	0.0	2	2	2	13	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.28	0.27	0.720	0.040	0.430	0.380	2.460
MINIMUM	0.08	0.03	0.150	0.010	0.000	0.010	0.126
ARITH. MEAN	0.15	0.13	0.362	0.020	0.066	0.082	0.466
ARITH. STD. DEV	0.06	0.08	0.167	0.010	0.125	0.105	0.665
GEOM. MEAN	0.14	0.11	0.331	0.018	0.033	0.049	0.316
1ST QUARTILE	0.10	0.08	0.270	0.015	0.015	0.020	0.230
2ND QUARTILE	0.12	0.11	0.310	0.015	0.020	0.055	0.278
3RD QUARTILE	0.20	0.18	0.420	0.025	0.055	0.075	0.348
VOL. WGT. MEAN	0.14	0.13	0.374	0.020	0.077	0.080	0.531
MISSING VALUES	2	2	4	2	2	2	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -SUTTON MIC TYPE A SITE NO.1 - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.290	3.90	0.96	12.37	222.02	2.58	0.81
MINIMUM	0.000	1.00	0.00	1.84	12.23	1.10	0.11
ARITH. MEAN	0.037	2.32	0.39	5.00	62.79	1.83	0.39
ARITH. STD. DEV	0.090	0.95	0.34	3.53	90.60	0.47	0.21
GEOM. MEAN	0.009	2.14	0.33	4.19	30.59	1.77	0.33
1ST QUARTILE	0.003	1.60	0.13	2.63	13.27	1.64	0.29
2ND QUARTILE	0.003	2.10	0.24	4.28	14.26	1.76	0.37
3RD QUARTILE	0.011	3.10	0.62	5.74	52.15	2.02	0.43
VOL. WGT. MEAN	0.045	2.27	0.40	4.95	85.62	1.70	0.35
MISSING VALUES	3	3	3	6	8	4	3
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	39.66	2.18	0.20	82.10	54.95		
MINIMUM	10.43	0.36	0.00	24.40	0.10		
ARITH. MEAN	21.03	1.03	0.06	53.94	30.54		
ARITH. STD. DEV	8.89	0.76	0.09	21.45	20.07		
GEOM. MEAN	19.47	0.82	0.15	49.79	16.42		
1ST QUARTILE	13.49	0.55	0.00	31.70	8.91		
2ND QUARTILE	20.23	0.63	0.00	57.60	31.62		
3RD QUARTILE	25.53	1.82	0.14	77.50	50.12		
VOL. WGT. MEAN	21.82	1.07	0.07	53.23	26.92		
MISSING VALUES	3	7	3	2	2.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -TURKEY LAKES MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	195.0	4788	34.60	5.09	.	4.55	0.84
MINIMUM	20.2	230	12.00	4.24	.	0.80	0.26
ARITH. MEAN	85.9	2019	20.48	4.53	.	2.34	0.50
ARITH. STD. DEV	41.5	1210	6.33	0.22	.	1.11	0.18
GEOM. MEAN	76.5	1586	19.65	4.52	.	2.09	0.47
1ST QUARTILE	63.7	1265	17.00	4.39	.	1.45	0.33
2ND QUARTILE	86.7	2180	19.00	4.53	.	2.35	0.52
3RD QUARTILE	101.7	2721	22.50	4.60	.	2.60	0.62
VOL. WGT. MEAN	.	2410	19.12	.	.	2.16	0.48
MISSING VALUES	0.0	0	0	1	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.50	0.17	0.970	0.085	0.080	0.085	0.952
MINIMUM	0.06	0.02	0.210	0.010	0.010	0.010	0.182
ARITH. MEAN	0.21	0.09	0.500	0.034	0.031	0.040	0.470
ARITH. STD. DEV	0.14	0.04	0.230	0.026	0.021	0.023	0.214
GEOM. MEAN	0.16	0.08	0.453	0.027	0.026	0.034	0.427
1ST QUARTILE	0.12	0.07	0.370	0.015	0.015	0.025	0.300
2ND QUARTILE	0.14	0.09	0.450	0.020	0.020	0.035	0.452
3RD QUARTILE	0.31	0.12	0.590	0.050	0.035	0.050	0.528
VOL. WGT. MEAN	0.19	0.09	0.488	0.031	0.030	0.038	0.466
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -TURKEY LAKES MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.014	7.00	0.71	23.97	198.91	6.16	0.38
MINIMUM	: 0.000	1.10	0.00	1.83	0.00	1.16	0.06
ARITH. MEAN	: 0.005	2.85	0.26	5.62	73.43	2.88	0.15
ARITH. STD. DEV	: 0.005	1.91	0.23	5.96	70.26	1.66	0.09
GEOM. MEAN	: 0.005	2.41	0.27	4.31	61.35	2.52	0.13
1ST QUARTILE	: 0.002	1.70	0.12	2.82	14.83	1.66	0.08
2ND QUARTILE	: 0.004	2.20	0.15	3.68	59.71	2.35	0.12
3RD QUARTILE	: 0.006	3.00	0.40	5.36	122.79	3.31	0.19
VOL. WGT. MEAN	: 0.005	2.60	0.22	5.37	73.60	2.54	0.13
MISSING VALUES	: 0	0	0	1	6	0	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 141.31	2.13	0.30	108.00	57.54		
MINIMUM	: 9.21	0.28	0.00	34.00	8.13		
ARITH. MEAN	: 34.19	0.91	0.11	61.09	32.48		
ARITH. STD. DEV	: 34.77	0.57	0.09	20.33	12.98		
GEOM. MEAN	: 25.42	0.76	0.12	58.29	29.57		
1ST QUARTILE	: 15.98	0.48	0.06	47.10	25.41		
2ND QUARTILE	: 25.28	0.60	0.10	56.95	29.52		
3RD QUARTILE	: 35.87	1.22	0.15	70.80	40.78		
VOL. WGT. MEAN	: 25.89	0.88	0.09	59.77	30.20		
MISSING VALUES	: 0	2	0	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - UXBRIDGE MIC TYPE A SITE NO.1 - - - - -

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	127.2	3363	38.00	6.21	.	4.95	1.21
MINIMUM	23.8	311	5.50	4.11	.	0.80	0.18
ARITH. MEAN	63.7	1553	26.14	4.77	.	3.03	0.72
ARITH. STD. DEV	31.6	862	10.33	0.77	.	1.11	0.34
GEOM. MEAN	56.5	1303	23.41	4.72	.	2.78	0.64
1ST QUARTILE	50.7	934	21.00	4.26	.	2.10	0.49
2ND QUARTILE	58.8	1652	26.00	4.36	.	3.35	0.67
3RD QUARTILE	75.3	1962	35.00	5.37	.	3.75	1.12
VOL. WGT. MEAN	.	1904	25.29	.	.	2.95	0.64
MISSING VALUES	0.0	0	0	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.14	2.40	0.820	0.205	0.055	1.370	0.606
MINIMUM	0.10	0.06	0.250	0.015	0.015	0.010	0.118
ARITH. MEAN	0.78	0.54	0.495	0.087	0.031	0.290	0.408
ARITH. STD. DEV	0.65	0.73	0.172	0.070	0.013	0.446	0.167
GEOM. MEAN	0.55	0.25	0.466	0.063	0.029	0.081	0.369
1ST QUARTILE	0.30	0.11	0.370	0.035	0.020	0.015	0.260
2ND QUARTILE	0.46	0.16	0.510	0.065	0.030	0.050	0.452
3RD QUARTILE	1.18	0.60	0.600	0.135	0.045	0.340	0.540
VOL. WGT. MEAN	0.60	0.34	0.465	0.068	0.028	0.173	0.400
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - -UXBRIDGE MIC TYPE A SITE NO.1

(continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.048	23.00	1.40	17.43	320.94	7.47	0.46
MINIMUM	0.000	1.20	0.00	1.65	13.16	1.61	0.05
ARITH. MEAN	0.011	6.82	0.46	7.62	88.06	4.17	0.22
ARITH. STD. DEV	0.016	6.80	0.38	5.32	117.90	2.06	0.11
GEOM. MEAN	0.008	4.49	0.39	6.05	45.83	3.72	0.19
1ST QUARTILE	0.002	2.10	0.21	3.75	16.12	2.96	0.16
2ND QUARTILE	0.004	4.50	0.25	5.21	39.92	3.08	0.17
3RD QUARTILE	0.010	8.76	0.70	12.06	61.37	5.70	0.26
VOL. WGT. MEAN	0.008	5.24	0.37	6.10	68.07	3.70	0.22
MISSING VALUES	0	0	0	2	3	3	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	268.36	32.11	0.28	113.00	77.62		
MINIMUM	9.30	0.28	0.00	16.00	0.62		
ARITH. MEAN	67.48	4.08	0.10	62.60	37.10		
ARITH. STD. DEV	73.22	9.31	0.10	30.91	28.56		
GEOM. MEAN	43.20	1.50	0.15	53.64	16.95		
1ST QUARTILE	19.33	0.72	0.00	38.60	4.27		
2ND QUARTILE	51.14	1.49	0.09	75.90	43.65		
3RD QUARTILE	76.23	1.94	0.15	85.10	54.95		
VOL. WGT. MEAN	56.75	3.49	0.08	64.38	0.62		
MISSING VALUES	0	2	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - WATERLOO MIC TYPE A SITE NO.1 - - - - -

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	122.2	3456	67.50	6.80	.	7.75	1.18
MINIMUM	24.5	496	14.00	3.93	.	2.25	0.47
ARITH. MEAN	54.2	1581	31.43	4.80	.	3.93	0.77
ARITH. STD. DEV	31.1	923	15.19	0.88	.	1.48	0.24
GEOM. MEAN	48.1	1368	28.66	4.74	.	3.72	0.74
1ST QUARTILE	35.0	951	21.75	4.24	.	2.88	0.55
2ND QUARTILE	46.0	1361	26.45	4.46	.	3.75	0.77
3RD QUARTILE	59.0	1828	37.00	5.17	.	4.40	0.91
VOL. WGT. MEAN	.	2067	30.09	.	.	3.67	0.70
MISSING VALUES	0.0	1	1	1	13	1	1
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.00	1.51	1.900	0.315	0.190	0.775	0.972
MINIMUM	0.22	0.10	0.420	0.045	0.020	0.020	0.320
ARITH. MEAN	0.75	0.35	0.849	0.130	0.061	0.153	0.633
ARITH. STD. DEV	0.52	0.39	0.395	0.086	0.057	0.209	0.214
GEOM. MEAN	0.61	0.25	0.780	0.109	0.045	0.089	0.599
1ST QUARTILE	0.31	0.16	0.610	0.065	0.025	0.048	0.416
2ND QUARTILE	0.62	0.21	0.840	0.105	0.035	0.070	0.600
3RD QUARTILE	0.94	0.38	0.945	0.160	0.080	0.188	0.824
VOL. WGT. MEAN	0.65	0.27	0.794	0.108	0.049	0.118	0.591
MISSING VALUES	2	1	1	2	2	1	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - -WATERLOO MIC TYPE A SITE NO.1 - - - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.029	15.00	1.10	18.12	217.05	4.17	0.99
MINIMUM	0.000	2.60	0.23	4.27	15.79	0.81	0.12
ARITH. MEAN	0.013	6.32	0.51	9.58	73.12	2.40	0.37
ARITH. STD. DEV	0.011	4.14	0.25	4.34	73.78	0.99	0.23
GEOM. MEAN	0.010	5.25	0.46	8.71	51.81	2.19	0.32
1ST QUARTILE	0.004	2.75	0.30	7.53	36.86	1.65	0.24
2ND QUARTILE	0.010	4.75	0.51	9.17	43.29	2.49	0.31
3RD QUARTILE	0.020	9.25	0.64	11.93	82.44	3.08	0.42
VOL. WGT. MEAN	0.010	5.56	0.48	8.97	64.39	2.23	0.35
MISSING VALUES	3	1	1	4	7	1	1
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	13	13	13	13	13.00		
MAXIMUM	172.76	3.96	0.29	154.00	117.49		
MINIMUM	13.79	0.54	0.00	17.90	0.16		
ARITH. MEAN	51.19	1.39	0.13	68.13	40.67		
ARITH. STD. DEV	43.98	0.99	0.09	42.88	39.45		
GEOM. MEAN	39.49	1.18	0.12	56.44	15.70		
1ST QUARTILE	25.55	0.81	0.06	35.35	8.22		
2ND QUARTILE	34.49	1.01	0.10	63.55	35.08		
3RD QUARTILE	65.10	1.70	0.21	81.70	58.86		
VOL. WGT. MEAN	47.64	1.34	0.13	68.22	3.55		
MISSING VALUES	1	3	1	1	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - WHITNEY MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	115.0	3436	34.50	4.59	.	3.60	0.88
MINIMUM	16.0	423	14.00	4.16	.	0.70	0.20
ARITH. MEAN	58.7	1327	23.32	4.37	.	2.20	0.51
ARITH. STD. DEV	28.1	951	6.66	0.13	.	0.94	0.19
GEOM. MEAN	51.4	1060	22.45	4.37	.	1.99	0.48
1ST QUARTILE	27.0	474	19.50	4.29	.	1.50	0.35
2ND QUARTILE	63.8	1048	22.50	4.37	.	1.95	0.55
3RD QUARTILE	69.5	1975	25.50	4.47	.	3.20	0.66
VOL. WGT. MEAN	.	1592	24.65	.	.	2.33	0.48
MISSING VALUES	0.0	0	0	0	11	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.26	0.18	1.910	0.050	0.135	0.065	0.780
MINIMUM	0.04	0.01	0.140	0.010	0.010	0.010	0.100
ARITH. MEAN	0.17	0.10	0.453	0.026	0.030	0.036	0.308
ARITH. STD. DEV	0.08	0.05	0.495	0.013	0.036	0.022	0.190
GEOM. MEAN	0.15	0.08	0.341	0.023	0.021	0.029	0.264
1ST QUARTILE	0.08	0.07	0.250	0.010	0.010	0.010	0.178
2ND QUARTILE	0.20	0.10	0.300	0.030	0.020	0.040	0.272
3RD QUARTILE	0.24	0.12	0.440	0.035	0.030	0.060	0.364
VOL. WGT. MEAN	0.15	0.09	0.382	0.022	0.024	0.033	0.294
MISSING VALUES	0	0	0	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION _ _ -WHITNEY MIC TYPE A SITE NO.1 -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 11	11	11	11	11	11	11
MAXIMUM	: 0.054	5.50	1.20	6.67	122.60	4.03	0.44
MINIMUM	: 0.000	0.72	0.00	2.42	0.00	1.14	0.06
ARITH. MEAN	: 0.009	2.55	0.32	4.54	30.65	2.23	0.20
ARITH. STD. DEV	: 0.015	1.55	0.33	1.71	61.30	1.01	0.11
GEOM. MEAN	: 0.006	2.10	0.27	4.25	122.60	2.05	0.18
1ST QUARTILE	: 0.002	0.98	0.15	3.14	0.00	1.45	0.15
2ND QUARTILE	: 0.004	2.30	0.18	4.23	0.00	1.95	0.17
3RD QUARTILE	: 0.007	3.90	0.42	6.23	61.30	2.44	0.21
VOL. WGT. MEAN	: 0.006	2.47	0.32	3.96	37.14	2.10	0.20
MISSING VALUES	: 0	0	0	3	7	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 11	11	11	11	11.00		
MAXIMUM	: 152.83	1.05	0.21	94.00	69.18		
MINIMUM	: 8.77	0.51	0.00	48.80	25.70		
ARITH. MEAN	: 38.84	0.82	0.06	70.57	44.37		
ARITH. STD. DEV	: 39.80	0.20	0.08	13.25	13.75		
GEOM. MEAN	: 28.90	0.80	0.16	69.47	42.57		
1ST QUARTILE	: 16.33	0.66	0.00	63.40	33.88		
2ND QUARTILE	: 29.87	0.84	0.00	70.50	42.66		
3RD QUARTILE	: 36.77	1.04	0.14	73.10	51.29		
VOL. WGT. MEAN	: 38.69	0.77	0.07	73.75	51.29		
MISSING VALUES	: 0	4	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ _ WILBERFORCE MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	137.0	3629	51.00	7.97	.	5.55	1.03
MINIMUM	19.0	67	11.50	4.05	.	1.70	0.20
ARITH. MEAN	69.0	1389	30.96	4.60	.	3.19	0.61
ARITH. STD. DEV	30.5	1037	12.63	1.04	.	1.19	0.27
GEOM. MEAN	62.6	888	28.32	4.52	.	3.00	0.55
1ST QUARTILE	55.0	834	21.50	4.15	.	2.60	0.45
2ND QUARTILE	60.0	1208	31.25	4.27	.	2.80	0.52
3RD QUARTILE	77.0	1824	42.25	4.53	.	3.75	0.78
VOL. WGT. MEAN	.	1624	30.04	.	.	3.05	0.58
MISSING VALUES	0.0	0	1	0	13	0	0
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.52	1.00	1.090	0.060	0.065	0.185	5.340
MINIMUM	0.06	0.05	0.220	0.015	0.010	0.010	0.196
ARITH. MEAN	0.26	0.22	0.508	0.033	0.029	0.058	0.784
ARITH. STD. DEV	0.15	0.25	0.252	0.016	0.017	0.057	1.376
GEOM. MEAN	0.21	0.15	0.458	0.029	0.025	0.037	0.466
1ST QUARTILE	0.15	0.08	0.370	0.020	0.018	0.015	0.318
2ND QUARTILE	0.24	0.14	0.435	0.025	0.023	0.038	0.422
3RD QUARTILE	0.34	0.22	0.600	0.048	0.040	0.095	0.544
VOL. WGT. MEAN	0.26	0.17	0.562	0.034	0.034	0.064	0.518
MISSING VALUES	1	0	1	1	1	1	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - WILKESPORT MIC TYPE A SITE NO.1
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.027	16.00	5.10	15.24	155.71	8.15	1.70
MINIMUM	: 0.003	1.50	0.20	4.85	9.85	1.92	0.13
ARITH. MEAN	: 0.011	5.08	1.26	10.06	56.66	4.35	0.60
ARITH. STD. DEV	: 0.008	4.09	1.39	3.72	66.79	2.12	0.54
GEOM. MEAN	: 0.009	4.04	0.84	9.41	34.51	3.89	0.43
1ST QUARTILE	: 0.004	2.60	0.51	6.83	18.80	2.33	0.22
2ND QUARTILE	: 0.009	4.50	0.78	10.31	30.54	3.98	0.49
3RD QUARTILE	: 0.017	5.60	1.50	13.06	94.52	6.40	0.83
VOL. WGT. MEAN	: 0.009	3.52	0.81	8.01	26.16	3.21	0.36
MISSING VALUES	: 1	2	2	5	9	3	2
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 174.30	9.04	1.10	149.00	109.65		
MINIMUM	: 12.73	0.61	0.00	15.40	1.45		
ARITH. MEAN	: 72.87	2.60	0.30	76.76	45.70		
ARITH. STD. DEV	: 58.37	2.88	0.32	35.87	32.28		
GEOM. MEAN	: 53.59	1.67	0.29	67.30	30.20		
1ST QUARTILE	: 27.76	0.74	0.10	61.30	25.70		
2ND QUARTILE	: 61.63	1.29	0.25	74.60	45.71		
3RD QUARTILE	: 81.17	3.54	0.37	105.00	58.88		
VOL. WGT. MEAN	: 43.17	1.52	0.22	81.05	.		
MISSING VALUES	: 4	5	3	2	2.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION - - - - - WILBERFORCE MIC TYPE A SITE NO.1 - - - - -
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES :	13	13	13	13	13	13	13
MAXIMUM :	0.011	11.00	12.00	108.44	537.99	31.18	1.80
MINIMUM :	0.000	0.95	0.16	2.85	0.00	2.04	0.08
ARITH. MEAN :	0.005	3.66	1.32	16.81	186.96	5.44	0.45
ARITH. STD. DEV :	0.004	2.84	3.22	32.45	304.22	8.59	0.51
GEOM. MEAN :	0.005	2.87	0.48	7.60	110.94	3.42	0.29
1ST QUARTILE :	0.003	1.80	0.25	3.61	0.00	2.18	0.15
2ND QUARTILE :	0.004	2.90	0.44	5.93	22.88	2.54	0.20
3RD QUARTILE :	0.008	3.90	0.65	10.89	537.99	3.77	0.39
VOL. WGT. MEAN :	0.005	3.21	0.67	9.64	126.56	3.45	0.36
MISSING VALUES :	1	0	0	3	10	2	0
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES :	13	13	13	13	13.00		
MAXIMUM :	257.08	80.07	5.20	122.00	89.13		
MINIMUM :	10.74	0.48	0.00	0.00	0.01		
ARITH. MEAN :	57.40	9.98	0.58	74.07	50.05		
ARITH. STD. DEV :	68.61	26.29	1.40	34.73	27.05		
GEOM. MEAN :	36.20	1.65	0.35	75.41	25.21		
1ST QUARTILE :	17.92	0.58	0.00	48.50	29.51		
2ND QUARTILE :	33.74	1.29	0.20	83.60	53.70		
3RD QUARTILE :	50.13	1.71	0.37	101.00	70.79		
VOL. WGT. MEAN :	42.95	3.88	0.33	75.34	0.01		
MISSING VALUES :	0	4	0	0	0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- STATION _ _ _ WILKESPORT MIC TYPE A SITE NO.1 -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	191.0	5213	59.74	5.84	.	8.20	1.80
MINIMUM	16.0	46	19.00	3.96	.	2.10	0.41
ARITH. MEAN	65.0	1463	34.15	4.52	.	4.52	0.82
ARITH. STD. DEV	48.5	1573	11.18	0.53	.	2.03	0.41
GEOM. MEAN	52.2	727	32.63	4.49	.	4.15	0.74
1ST QUARTILE	37.2	301	26.00	4.23	.	3.00	0.52
2ND QUARTILE	49.0	1247	32.00	4.34	.	3.95	0.64
3RD QUARTILE	79.0	1854	41.50	4.59	.	7.00	1.04
VOL. WGT. MEAN	.	2512	35.60	.	.	4.08	0.66
MISSING VALUES	0.0	1	2	2	13	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.46	2.00	1.580	0.370	0.090	0.960	1.420
MINIMUM	0.14	0.10	0.380	0.030	0.025	0.015	0.348
ARITH. MEAN	0.75	0.46	0.870	0.131	0.064	0.160	0.701
ARITH. STD. DEV	0.75	0.57	0.423	0.118	0.021	0.285	0.342
GEOM. MEAN	0.52	0.29	0.778	0.095	0.060	0.074	0.635
1ST QUARTILE	0.28	0.14	0.500	0.045	0.045	0.035	0.440
2ND QUARTILE	0.47	0.25	0.855	0.087	0.070	0.072	0.638
3RD QUARTILE	0.74	0.40	1.130	0.160	0.080	0.105	0.912
VOL. WGT. MEAN	0.45	0.28	0.701	0.081	0.055	0.096	0.579
MISSING VALUES	3	2	1	3	3	3	2

PART IV

SUMMARY STATISTICS OF PRECIPITATION CONCENTRATION BY REGION

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=CE -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	64.0	64	64	64	64	64	64
MAXIMUM	199.0	5573	51.00	7.97	.	5.55	1.21
MINIMUM	7.0	67	5.50	4.05	.	0.60	0.18
ARITH. MEAN	67.5	1583	26.98	4.70	.	2.86	0.62
ARITH. STD. DEV	33.3	980	11.03	0.89	.	1.14	0.27
GEOM. MEAN	59.7	1235	24.48	4.63	.	2.61	0.56
1ST QUARTILE	48.0	933	19.00	4.24	.	2.10	0.44
2ND QUARTILE	62.0	1655	26.00	4.36	.	2.75	0.61
3RD QUARTILE	80.1	1962	34.00	4.65	.	3.75	0.72
VOL. WGT. MEAN	.	1977	26.39	.	.	2.76	0.58
MISSING VALUES	0.0	3	4	3	64	3	3
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	64	64	64	64	64	64	64
MAXIMUM	2.14	2.40	1.600	0.205	0.720	1.370	5.340
MINIMUM	0.06	0.05	0.160	0.015	0.005	0.005	0.118
ARITH. MEAN	0.44	0.26	0.498	0.055	0.064	0.113	0.493
ARITH. STD. DEV	0.44	0.38	0.244	0.048	0.142	0.229	0.667
GEOM. MEAN	0.31	0.16	0.450	0.041	0.031	0.049	0.393
1ST QUARTILE	0.17	0.10	0.350	0.025	0.020	0.025	0.262
2ND QUARTILE	0.32	0.14	0.460	0.038	0.025	0.040	0.420
3RD QUARTILE	0.48	0.22	0.590	0.065	0.045	0.087	0.544
VOL. WGT. MEAN	0.38	0.20	0.483	0.048	0.061	0.084	0.420
MISSING VALUES	4	3	7	4	4	4	6

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=CE -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 64	64	64	64	64	64	64
MAXIMUM	: 0.715	23.00	12.00	108.44	537.99	31.18	1.80
MINIMUM	: 0.000	0.86	0.00	1.65	0.00	0.98	0.05
ARITH. MEAN	: 0.027	4.03	0.61	8.36	96.73	3.36	0.29
ARITH. STD. DEV	: 0.106	3.91	1.52	15.01	133.26	4.23	0.28
GEOM. MEAN	: 0.008	2.99	0.40	5.66	54.23	2.63	0.23
1ST QUARTILE	: 0.003	1.80	0.21	3.29	16.04	1.79	0.15
2ND QUARTILE	: 0.006	2.70	0.37	5.55	33.60	2.37	0.22
3RD QUARTILE	: 0.010	4.50	0.50	7.19	138.73	3.28	0.30
VOL. WGT. MEAN	: 0.027	3.38	0.41	6.33	72.20	2.66	0.26
MISSING VALUES	: 5	3	3	14	36	13	3
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 64	64	64	64	64.00		
MAXIMUM	: 268.36	80.07	5.20	124.00	89.13		
MINIMUM	: 8.04	0.00	0.00	0.00	0.01		
ARITH. MEAN	: 49.57	3.75	0.22	65.80	40.57		
ARITH. STD. DEV	: 54.55	12.40	0.66	29.63	25.26		
GEOM. MEAN	: 33.74	1.38	0.20	59.62	19.95		
1ST QUARTILE	: 19.33	0.85	0.00	45.20	22.39		
2ND QUARTILE	: 29.21	1.23	0.12	68.30	43.65		
3RD QUARTILE	: 51.40	1.73	0.25	85.30	57.54		
VOL. WGT. MEAN	: 41.39	2.16	0.15	64.75	12.88		
MISSING VALUES	: 3	18	3	3	3.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=NE -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB-PH	ACIDITY.TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	119.0	119	119	119	119	119	119
MAXIMUM	195.0	4788	71.30	7.58	.	10.95	1.10
MINIMUM	3.0	38	5.00	3.75	.	0.35	0.10
ARITH. MEAN	58.6	1369	23.00	4.57	.	2.33	0.48
ARITH. STD. DEV	33.8	906	12.47	0.53	.	1.52	0.23
GEOM. MEAN	48.8	1058	20.10	4.54	.	1.92	0.43
1ST QUARTILE	35.4	687	14.00	4.31	.	1.20	0.30
2ND QUARTILE	55.0	1220	19.85	4.47	.	2.15	0.46
3RD QUARTILE	75.0	1859	29.72	4.71	.	3.00	0.63
VOL. WGT. MEAN	.	1779	21.92	.	.	2.22	0.46
MISSING VALUES	0.0	2	3	5	119	3	3
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	119	119	119	119	119	119	119
MAXIMUM	0.76	1.52	1.910	0.195	1.290	0.630	1.110
MINIMUM	0.00	0.01	0.040	0.000	0.000	0.000	0.000
ARITH. MEAN	0.19	0.16	0.433	0.034	0.050	0.074	0.351
ARITH. STD. DEV	0.13	0.20	0.299	0.029	0.127	0.107	0.233
GEOM. MEAN	0.16	0.11	0.350	0.026	0.029	0.045	0.274
1ST QUARTILE	0.10	0.06	0.250	0.015	0.015	0.025	0.213
2ND QUARTILE	0.16	0.10	0.370	0.025	0.025	0.040	0.318
3RD QUARTILE	0.26	0.17	0.530	0.040	0.045	0.080	0.446
VOL. WGT. MEAN	0.19	0.14	0.421	0.033	0.051	0.068	0.353
MISSING VALUES	3	3	3	2	4	2	3

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=NE -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 119	119	119	119	119	119	119
MAXIMUM	: 0.740	8.70	2.00	63.21	201.28	13.07	0.68
MINIMUM	: 0.000	0.11	0.00	1.46	0.00	0.00	0.03
ARITH. MEAN	: 0.016	2.59	0.43	6.45	48.98	2.67	0.18
ARITH. STD. DEV	: 0.071	1.57	0.42	7.83	54.64	1.94	0.13
GEOM. MEAN	: 0.007	2.15	0.36	4.91	49.73	2.27	0.14
1ST QUARTILE	: 0.002	1.50	0.15	3.33	0.00	1.48	0.09
2ND QUARTILE	: 0.005	2.30	0.30	4.58	28.65	2.21	0.14
3RD QUARTILE	: 0.009	3.40	0.60	6.30	80.76	3.31	0.22
VOL. WGT. MEAN	: 0.017	2.54	0.35	6.32	43.68	2.29	0.16
MISSING VALUES	: 3	4	5	34	60	25	4
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 119	119	119	119	119.00		
MAXIMUM	: 351.20	8.06	0.84	230.00	177.83		
MINIMUM	: 3.91	0.28	0.00	11.80	0.03		
ARITH. MEAN	: 38.20	1.59	0.13	63.73	38.34		
ARITH. STD. DEV	: 42.93	1.30	0.14	31.76	27.60		
GEOM. MEAN	: 27.60	1.28	0.15	56.92	26.96		
1ST QUARTILE	: 16.33	0.84	0.00	42.40	19.50		
2ND QUARTILE	: 26.58	1.21	0.11	60.30	33.88		
3RD QUARTILE	: 41.58	1.81	0.18	78.00	48.98		
VOL. WGT. MEAN	: 31.18	1.39	0.11	60.89	4.37		
MISSING VALUES	: 4	37	4	6	5.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=NW -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TFE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	89.0	89	89	89	89	89	89
MAXIMUM	128.0	3599	30.00	7.17	.	4.20	0.74
MINIMUM	8.5	0	3.00	4.40	.	0.35	0.02
ARITH. MEAN	43.0	998	10.12	5.26	.	1.26	0.30
ARITH. STD. DEV	30.6	907	5.30	0.68	.	0.71	0.15
GEOM. MEAN	33.5	668	9.01	5.22	.	1.10	0.26
1ST QUARTILE	18.7	353	6.50	4.77	.	0.75	0.20
2ND QUARTILE	32.2	563	8.50	5.08	.	1.15	0.27
3RD QUARTILE	60.0	1445	13.00	5.59	.	1.55	0.38
VOL. WGT. MEAN	.	1615	8.99	.	.	1.22	0.26
MISSING VALUES	0.0	1	2	3	89	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	89	89	89	89	89	89	89
MAXIMUM	0.66	1.04	1.390	0.420	0.430	0.730	1.140
MINIMUM	0.03	0.01	0.040	0.000	0.000	0.000	0.000
ARITH. MEAN	0.22	0.13	0.402	0.044	0.041	0.088	0.283
ARITH. STD. DEV	0.14	0.13	0.258	0.052	0.052	0.112	0.238
GEOM. MEAN	0.18	0.09	0.329	0.031	0.029	0.056	0.202
1ST QUARTILE	0.11	0.05	0.200	0.020	0.015	0.025	0.098
2ND QUARTILE	0.19	0.09	0.355	0.035	0.030	0.060	0.222
3RD QUARTILE	0.28	0.16	0.510	0.050	0.045	0.105	0.442
VOL. WGT. MEAN	0.20	0.09	0.424	0.040	0.049	0.052	0.310
MISSING VALUES	4	2	3	3	3	4	3

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=NW -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 89	89	89	89	89	89	89
MAXIMUM	: 0.265	23.00	2.50	101.86	464.10	8.86	1.10
MINIMUM	: 0.000	0.26	0.00	0.00	0.00	0.00	0.00
ARITH. MEAN	: 0.016	4.03	0.43	6.11	70.89	2.03	0.11
ARITH. STD. DEV	: 0.029	2.94	0.49	13.44	108.99	1.78	0.14
GEOM. MEAN	: 0.011	3.25	0.37	3.79	65.53	1.79	0.07
1ST QUARTILE	: 0.004	1.90	0.12	1.93	0.00	1.12	0.04
2ND QUARTILE	: 0.009	3.70	0.21	3.47	28.05	1.50	0.06
3RD QUARTILE	: 0.019	5.40	0.64	5.50	76.68	2.34	0.15
VOL. WGT. MEAN	: 0.016	3.83	0.32	3.99	55.18	1.66	0.09
MISSING VALUES	: 2	7	6	28	54	29	6
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 89	89	89	89	89.00		
MAXIMUM	: 198.33	13.90	0.98	70.50	39.81		
MINIMUM	: 8.03	0.00	0.00	12.50	0.07		
ARITH. MEAN	: 38.62	1.65	0.14	33.16	11.25		
ARITH. STD. DEV	: 31.85	2.63	0.19	14.20	10.38		
GEOM. MEAN	: 30.30	1.22	0.18	30.54	5.52		
1ST QUARTILE	: 19.45	0.27	0.00	23.50	2.57		
2ND QUARTILE	: 28.23	0.73	0.07	28.75	8.42		
3RD QUARTILE	: 51.69	1.87	0.24	39.60	16.98		
VOL. WGT. MEAN	: 31.67	1.05	0.09	30.17	6.76		
MISSING VALUES	: 9	41	8	3	3.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=SE -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	65.0	65	65	65	65	65	65
MAXIMUM	147.0	3732	52.00	5.69	.	6.60	1.38
MINIMUM	1.7	173	8.00	3.97	.	0.75	0.12
ARITH. MEAN	59.2	1495	27.50	4.39	.	2.75	0.62
ARITH. STD. DEV	27.6	820	10.14	0.27	.	1.16	0.30
GEOM. MEAN	51.8	1255	25.65	4.39	.	2.51	0.55
1ST QUARTILE	42.5	868	19.19	4.21	.	1.90	0.39
2ND QUARTILE	52.0	1357	25.28	4.37	.	2.68	0.58
3RD QUARTILE	71.0	2063	33.50	4.49	.	3.53	0.86
VOL. WGT. MEAN	.	1784	26.61	.	.	2.76	0.58
MISSING VALUES	0.0	5	5	4	65	5	5
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	65	65	65	65	65	65	65
MAXIMUM	0.80	0.87	1.680	0.150	0.170	0.450	1.240
MINIMUM	0.04	0.01	0.130	0.010	0.010	0.010	0.026
ARITH. MEAN	0.29	0.18	0.451	0.049	0.042	0.081	0.369
ARITH. STD. DEV	0.18	0.15	0.255	0.034	0.033	0.090	0.195
GEOM. MEAN	0.24	0.14	0.398	0.040	0.033	0.050	0.316
1ST QUARTILE	0.16	0.08	0.295	0.025	0.020	0.020	0.243
2ND QUARTILE	0.27	0.13	0.405	0.040	0.030	0.048	0.355
3RD QUARTILE	0.39	0.24	0.535	0.063	0.048	0.115	0.464
VOL. WGT. MEAN	0.29	0.16	0.452	0.049	0.044	0.071	0.376
MISSING VALUES	5	5	5	5	5	5	5

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=SE -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES :	65	65	65	65	65	65	65
MAXIMUM :	0.152	12.00	1.20	22.02	43.06	74.14	1.20
MINIMUM :	0.000	0.00	0.00	1.50	0.00	0.58	0.00
ARITH. MEAN :	0.010	3.46	0.35	6.13	15.19	3.92	0.35
ARITH. STD. DEV :	0.021	2.34	0.36	4.02	15.13	10.20	0.26
GEOM. MEAN :	0.006	2.87	0.39	5.20	25.15	2.38	0.28
1ST QUARTILE :	0.004	1.80	0.00	3.68	0.00	1.66	0.16
2ND QUARTILE :	0.005	3.00	0.24	5.12	16.22	2.24	0.28
3RD QUARTILE :	0.008	4.50	0.58	6.43	24.90	3.44	0.47
VOL. WGT. MEAN :	0.011	3.50	0.30	5.59	14.93	3.28	0.33
MISSING VALUES :	5	5	5	26	44	15	5
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES :	65	65	65	65	65.00		
MAXIMUM :	156.28	3.63	0.59	142.00	107.15		
MINIMUM :	7.51	0.00	0.00	12.10	2.04		
ARITH. MEAN :	36.39	1.06	0.10	73.74	46.69		
ARITH. STD. DEV :	29.68	0.77	0.12	25.69	21.69		
GEOM. MEAN :	29.75	1.02	0.14	68.78	40.45		
1ST QUARTILE :	21.10	0.63	0.00	55.80	32.36		
2ND QUARTILE :	28.92	0.91	0.08	74.40	42.66		
3RD QUARTILE :	35.35	1.33	0.13	86.60	61.66		
VOL. WGT. MEAN :	33.74	1.00	0.09	69.82	70.79		
MISSING VALUES :	7	33	5	4	4.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=SW -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB.PH	ACIDITY.TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	114.0	114	114	114	114	114	114
MAXIMUM	235.0	5213	84.00	7.79	.	12.95	2.45
MINIMUM	0.8	46	10.50	3.73	.	1.45	0.15
ARITH. MEAN	57.5	1376	32.57	4.85	.	4.21	0.78
ARITH. STD. DEV	38.4	959	14.98	1.03	.	1.95	0.34
GEOM. MEAN	47.1	1056	29.62	4.76	.	3.83	0.71
1ST QUARTILE	32.7	763	22.00	4.19	.	3.05	0.54
2ND QUARTILE	47.8	1152	29.50	4.45	.	3.80	0.71
3RD QUARTILE	67.0	1725	38.00	4.98	.	5.10	0.96
VOL. WGT. MEAN	.	1921	31.18	.	.	3.85	0.67
MISSING VALUES	0.0	9	11	10	114	10	10
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	114	114	114	114	114	114	114
MAXIMUM	4.15	3.45	2.330	0.995	2.270	1.840	1.460
MINIMUM	0.12	0.06	0.180	0.020	0.015	0.010	0.046
ARITH. MEAN	0.78	0.39	0.775	0.158	0.093	0.153	0.605
ARITH. STD. DEV	0.75	0.49	0.381	0.175	0.234	0.248	0.297
GEOM. MEAN	0.55	0.26	0.696	0.107	0.052	0.080	0.529
1ST QUARTILE	0.31	0.15	0.480	0.055	0.030	0.035	0.417
2ND QUARTILE	0.51	0.22	0.710	0.095	0.045	0.065	0.539
3RD QUARTILE	0.94	0.39	0.930	0.180	0.075	0.155	0.762
VOL. WGT. MEAN	0.57	0.28	0.722	0.113	0.091	0.109	0.574
MISSING VALUES	16	11	12	13	12	12	14

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=SW -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 114	114	114	114	114	114	114
MAXIMUM	: 1.400	22.00	5.10	57.91	501.08	56.20	1.70
MINIMUM	: 0.000	0.27	0.00	3.11	0.00	0.63	0.01
ARITH. MEAN	: 0.039	5.11	0.63	11.44	74.92	4.28	0.37
ARITH. STD. DEV	: 0.149	4.33	0.61	9.21	95.72	6.00	0.30
GEOM. MEAN	: 0.012	3.77	0.49	9.34	56.61	3.23	0.28
1ST QUARTILE	: 0.004	2.60	0.29	6.19	23.04	2.08	0.17
2ND QUARTILE	: 0.009	3.80	0.49	9.03	41.35	3.14	0.28
3RD QUARTILE	: 0.023	5.90	0.74	12.77	84.35	4.29	0.48
VOL. WGT. MEAN	: 0.036	4.22	0.52	9.62	45.45	3.39	0.31
MISSING VALUES	: 11	11	11	26	60	21	11
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 114	114	114	114	114.00		
MAXIMUM	: 481.48	28.13	1.10	233.00	186.21		
MINIMUM	: 8.47	0.54	0.00	7.70	0.02		
ARITH. MEAN	: 68.43	2.34	0.19	68.50	42.76		
ARITH. STD. DEV	: 75.57	3.68	0.20	42.28	38.25		
GEOM. MEAN	: 46.79	1.52	0.18	54.89	14.18		
1ST QUARTILE	: 28.82	0.84	0.07	37.70	10.68		
2ND QUARTILE	: 41.17	1.23	0.13	65.85	35.48		
3RD QUARTILE	: 67.12	2.07	0.29	87.25	64.63		
VOL. WGT. MEAN	: 48.72	2.08	0.18	68.90	3.55		
MISSING VALUES	: 13	31	12	10	10.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=Z -----

	EQUIVALENT PREC. DEPTH MM	VOLUME ML	CONDUCT UMHO/CM	LAB. PH	ACIDITY. TPE	SULFATE MG/L	NITRATE MG/L
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	130.2	3706	35.00	7.01	.	3.65	0.75
MINIMUM	6.0	47	8.00	4.26	.	0.80	0.22
ARITH. MEAN	73.1	2177	19.09	4.78	.	1.92	0.42
ARITH. STD. DEV	31.3	1091	8.51	0.80	.	0.86	0.16
GEOM. MEAN	61.5	1572	17.29	4.73	.	1.77	0.39
1ST QUARTILE	61.9	1324	11.00	4.30	.	1.40	0.29
2ND QUARTILE	80.5	2297	17.00	4.50	.	1.55	0.36
3RD QUARTILE	90.5	3099	27.01	5.05	.	2.40	0.54
VOL. WGT. MEAN	.	2123	18.98	.	.	1.99	0.41
MISSING VALUES	0.0	2	2	2	13	2	2
	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM	AMMONIUM
	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.28	0.27	0.720	0.040	0.430	0.380	2.460
MINIMUM	0.08	0.03	0.150	0.010	0.000	0.010	0.126
ARITH. MEAN	0.15	0.13	0.362	0.020	0.066	0.082	0.466
ARITH. STD. DEV	0.06	0.08	0.167	0.010	0.125	0.105	0.665
GEOM. MEAN	0.14	0.11	0.331	0.018	0.033	0.049	0.316
1ST QUARTILE	0.10	0.08	0.270	0.015	0.015	0.020	0.230
2ND QUARTILE	0.12	0.11	0.310	0.015	0.020	0.055	0.278
3RD QUARTILE	0.20	0.18	0.420	0.025	0.055	0.075	0.348
VOL. WGT. MEAN	0.14	0.13	0.374	0.020	0.077	0.080	0.531
MISSING VALUES	2	2	4	2	2	2	2

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

----- REGCODE=Z -----
 (continued)

	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON	LEAD	VANADIUM
	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
# OF SAMPLES	: 13	13	13	13	13	13	13
MAXIMUM	: 0.290	3.90	0.96	12.37	222.02	2.58	0.81
MINIMUM	: 0.000	1.00	0.00	1.84	12.23	1.10	0.11
ARITH. MEAN	: 0.037	2.32	0.39	5.00	62.79	1.83	0.39
ARITH. STD. DEV	: 0.090	0.95	0.34	3.53	90.60	0.47	0.21
GEOM. MEAN	: 0.009	2.14	0.33	4.19	30.59	1.77	0.33
1ST QUARTILE	: 0.003	1.60	0.13	2.63	13.27	1.64	0.29
2ND QUARTILE	: 0.003	2.10	0.24	4.28	14.26	1.76	0.37
3RD QUARTILE	: 0.011	3.10	0.62	5.74	52.15	2.02	0.43
VOL. WGT. MEAN	: 0.045	2.27	0.40	4.95	85.62	1.70	0.35
MISSING VALUES	: 3	3	3	6	8	4	3
	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB		
	UG/L	UG/L	UG/L	UG/L	UG/L		
# OF SAMPLES	: 13	13	13	13	13.00		
MAXIMUM	: 39.66	2.18	0.20	82.10	54.95		
MINIMUM	: 10.43	0.36	0.00	24.40	0.10		
ARITH. MEAN	: 21.03	1.03	0.06	53.94	30.54		
ARITH. STD. DEV	: 8.89	0.76	0.09	21.45	20.07		
GEOM. MEAN	: 19.47	0.82	0.15	49.79	16.42		
1ST QUARTILE	: 13.49	0.55	0.00	31.70	8.91		
2ND QUARTILE	: 20.23	0.63	0.00	57.60	31.62		
3RD QUARTILE	: 25.53	1.82	0.14	77.50	50.12		
VOL. WGT. MEAN	: 21.82	1.07	0.07	53.23	26.92		
MISSING VALUES	: 3	7	3	2	2.00		

PART V

SUMMARY STATISTICS OF WET DEPOSITION BY STATION

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -ALVINSTON MIC TYPE A SITE NO.1 - -

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	103.0	660.45	80.34	96.82	46.92	85.490	18.540	
MINIMUM	24.0	63.55	14.57	8.96	5.76	11.160	1.280	
ARITH. MEAN	51.6	256.32	38.67	40.69	16.79	44.176	7.768	
ARITH. STD. DEV	23.3	177.36	18.41	24.62	11.95	25.807	5.327	
GEOM. MEAN	46.9	208.54	35.06	33.90	14.17	36.894	6.078	
1ST QUARTILE	31.0	130.46	26.06	27.87	10.67	28.464	3.854	
2ND QUARTILE	51.0	230.70	35.73	37.22	12.13	39.120	7.083	
3RD QUARTILE	64.0	346.50	46.92	51.00	21.37	67.000	9.900	
VOL. WGT. MEAN	.	250.92	37.86	39.84	16.44	43.090	7.604	
MISSING VALUES	0.0	3	3	3	3	4	3	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	115.770	10.925	69.760	71.400	762.20	71.25	799.14	9425.63
MINIMUM	0.775	1.920	7.750	0.310	28.05	13.92	218.51	2133.98
ARITH. MEAN	17.643	5.559	37.248	8.244	304.71	29.26	504.67	4577.32
ARITH. STD. DEV	35.095	3.099	23.154	22.210	235.11	16.91	227.70	2988.69
GEOM. MEAN	5.871	4.673	29.620	1.379	209.83	26.09	454.50	3934.61
1ST QUARTILE	2.669	1.925	20.636	0.356	117.80	18.36	287.01	2907.90
2ND QUARTILE	5.280	5.232	34.320	0.939	283.14	25.08	508.43	2945.52
3RD QUARTILE	11.840	7.905	58.022	2.472	430.10	29.06	714.42	5473.56
VOL. WGT. MEAN	17.271	5.442	36.333	8.071	298.30	28.65	464.40	4369.03
MISSING VALUES	3	3	4	3	3	3	5	8
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	288.90	56.65	6650.89	151.89	27.47	5775.00	3984.4	
MINIMUM	90.92	5.76	899.38	43.54	0.00	489.60	1.20	
ARITH. MEAN	198.51	24.27	3304.13	86.47	10.01	2940.80	1491.0	
ARITH. STD. DEV	75.96	15.50	1996.55	40.73	7.74	1895.10	1279.5	
GEOM. MEAN	183.92	20.03	2728.46	78.49	9.44	2239.93	457.87	
1ST QUARTILE	133.11	15.94	1873.70	52.01	4.96	1466.30	590.69	
2ND QUARTILE	211.99	18.96	2954.21	76.92	8.67	2870.60	1255.8	
3RD QUARTILE	264.60	30.60	4411.32	116.23	11.86	4066.00	2221.7	
VOL. WGT. MEAN	194.33	23.75	3234.55	80.23	9.80	2878.87	.	
MISSING VALUES	3	3	3	6	3	3	3.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF DEPOSITION

STATION - AZURE LAKE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	152.0	273.00	62.32	21.28	33.60	51.942	3.675	
MINIMUM	10.0	25.27	7.00	2.13	1.20	5.355	0.133	
ARITH. MEAN	61.4	131.51	22.78	9.69	8.24	22.507	1.479	
ARITH. STD. DEV	37.8	86.88	15.54	7.12	11.03	16.169	1.066	
GEOM. MEAN	50.7	102.31	18.70	7.38	4.74	17.552	1.077	
1ST QUARTILE	36.0	59.32	10.80	4.32	2.70	9.400	0.720	
2ND QUARTILE	56.5	109.50	17.85	6.88	4.20	17.200	1.290	
3RD QUARTILE	78.7	192.50	28.25	16.18	5.65	36.120	2.280	
VOL. WGT. MEAN	.	131.51	22.78	9.69	8.24	22.507	1.479	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	8.400	18.800	49.581	1.680	430.50	54.24	412.76	1523.94
MINIMUM	0.266	0.430	0.000	0.053	31.92	0.00	111.89	0.00
ARITH. MEAN	2.143	3.607	17.882	0.415	133.72	17.39	215.77	507.98
ARITH. STD. DEV	2.191	4.928	15.808	0.458	105.97	16.72	116.38	879.85
GEOM. MEAN	1.385	2.147	12.468	0.274	105.14	18.11	192.88	1523.94
1ST QUARTILE	0.850	1.200	6.756	0.160	76.00	5.04	136.67	0.00
2ND QUARTILE	1.800	2.000	14.640	0.258	104.40	14.31	164.79	0.00
3RD QUARTILE	2.150	2.793	30.400	0.420	155.55	26.42	299.31	1523.94
VOL. WGT. MEAN	2.143	3.607	17.882	0.415	133.72	17.39	213.17	463.52
MISSING VALUES	0	0	0	0	0	0	5	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	222.90	18.90	3512.02	176.02	16.80	6824.80	4485.8	
MINIMUM	73.52	2.16	294.10	30.55	0.00	1135.82	432.82	
ARITH. MEAN	132.15	7.76	1427.23	87.54	6.00	3686.33	2102.1	
ARITH. STD. DEV	56.66	5.12	976.30	50.55	5.33	2088.71	1288.8	
GEOM. MEAN	122.03	6.29	1102.63	75.94	7.72	3110.71	1711.1	
1ST QUARTILE	82.19	3.50	552.23	52.96	0.00	2022.12	1336.5	
2ND QUARTILE	119.25	7.47	1087.04	74.55	6.22	3357.79	1786.7	
3RD QUARTILE	169.70	9.20	2041.66	102.79	9.33	5838.90	2918.1	
VOL. WGT. MEAN	134.30	7.76	1427.23	77.70	6.00	3582.16	1786.7	
MISSING VALUES	4	0	0	3	0	1	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - BEAR ISLAND MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	7.0	7	7	7	7	7	7	
MAXIMUM	75.0	232.50	34.21	14.93	9.60	38.564	2.625	
MINIMUM	33.4	45.99	13.69	2.12	2.67	8.115	0.354	
ARITH. MEAN	52.2	124.84	25.98	7.35	5.95	21.298	1.235	
ARITH. STD. DEV	15.9	71.32	7.96	5.09	2.75	11.831	0.905	
GEOM. MEAN	50.0	106.72	24.79	5.82	5.39	18.392	0.963	
1ST QUARTILE	35.4	51.20	18.45	3.25	3.28	11.356	0.541	
2ND QUARTILE	54.1	118.59	27.26	5.12	5.41	19.470	0.668	
3RD QUARTILE	64.0	202.15	33.28	12.00	9.33	33.000	2.177	
VOL. WGT. MEAN	.	124.84	25.98	7.35	5.95	21.298	1.235	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM	SODIUM	AMMONIUM AS N	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON
	MG/M**2	MG/M**2	MG/M**2	MG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2
# OF SAMPLES	7	7	7	7	7	7	7	7
MAXIMUM	4.125	2.488	38.315	0.902	240.00	81.15	339.88	497.89
MINIMUM	0.354	1.062	6.167	0.000	53.10	8.02	126.92	0.00
ARITH. MEAN	1.738	1.425	18.059	0.389	117.49	31.13	253.04	248.95
ARITH. STD. DEV	1.502	0.503	11.279	0.375	73.47	27.33	103.62	352.06
GEOM. MEAN	1.224	1.366	15.195	0.327	99.64	22.87	233.16	497.89
1ST QUARTILE	0.541	1.125	8.960	0.108	56.78	11.25	153.89	0.00
2ND QUARTILE	0.960	1.230	18.408	0.256	87.04	19.28	315.56	248.95
3RD QUARTILE	3.485	1.623	25.800	0.900	186.60	56.64	328.95	497.89
VOL. WGT. MEAN	1.738	1.425	18.059	0.389	117.49	31.13	239.44	266.62
MISSING VALUES	0	0	0	0	0	0	2	5
	LEAD	VANADIUM	ALUMINIUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB	
	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	
# OF SAMPLES	7	7	7	7	7	7	7.00	
MAXIMUM	182.63	14.31	2757.10	113.10	22.18	6142.50	3846.5	
MINIMUM	52.30	4.10	919.07	28.77	0.00	2824.02	1524.7	
ARITH. MEAN	118.32	10.19	1634.05	88.29	9.61	3994.30	2468.4	
ARITH. STD. DEV	57.41	3.49	692.79	40.08	6.98	1217.39	840.17	
GEOM. MEAN	105.46	9.54	1512.57	77.57	10.05	3854.83	2353.3	
1ST QUARTILE	64.07	8.12	919.24	64.51	5.76	2956.10	1709.2	
2ND QUARTILE	136.73	10.35	1597.69	105.64	9.35	3819.70	2443.4	
3RD QUARTILE	155.85	12.75	2289.69	112.06	13.50	4403.76	2843.1	
VOL. WGT. MEAN	124.92	10.19	1634.05	76.05	9.61	3768.43	1709.2	
MISSING VALUES	2	0	0	3	0	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - CAMPBELLFORD MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	12.0	12	12	12	12	12	12	
MAXIMUM	139.0	403.10	97.30	99.00	29.19	63.940	11.880	
MINIMUM	28.8	80.56	21.56	9.94	4.97	14.960	1.085	
ARITH. MEAN	63.0	187.72	38.26	38.69	12.73	30.820	4.121	
ARITH. STD. DEV	32.2	94.72	24.05	35.55	7.48	16.445	3.909	
GEOM. MEAN	56.3	168.96	33.83	26.52	11.18	27.730	2.872	
1ST QUARTILE	36.5	163.30	25.56	13.81	8.37	17.980	1.560	
2ND QUARTILE	57.5	180.95	27.33	15.04	11.51	27.600	1.870	
3RD QUARTILE	78.6	192.00	46.53	69.50	12.54	36.210	5.560	
VOL. WGT. MEAN	.	193.57	39.45	39.90	13.13	31.257	4.249	
MISSING VALUES	0.0	3	3	3	3	5	3	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	12	12	12	12	12	12	12	12
MAXIMUM	42.900	12.000	57.824	20.580	375.30	44.00	514.70	3292.27
MINIMUM	0.620	1.170	12.026	0.173	79.20	0.00	241.75	0.00
ARITH. MEAN	9.848	5.299	26.629	3.156	172.63	20.80	391.88	1779.67
ARITH. STD. DEV	15.666	3.919	15.423	7.061	97.16	15.41	92.57	1662.30
GEOM. MEAN	3.399	4.000	23.481	0.776	153.78	24.06	381.72	2595.86
1ST QUARTILE	1.175	2.585	13.826	0.241	117.60	8.33	344.71	0.00
2ND QUARTILE	2.485	3.410	25.120	0.674	127.80	22.56	403.33	2046.76
3RD QUARTILE	4.170	8.580	30.456	1.332	179.80	31.20	443.47	3292.27
VOL. WGT. MEAN	10.155	5.464	27.006	3.287	178.02	21.45	358.81	2260.57
MISSING VALUES	3	3	5	4	3	3	6	9
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	12	12	12	12	12	12	12.00	
MAXIMUM	173.23	37.53	3649.17	188.06	13.60	7964.70	5662.6	
MINIMUM	69.08	11.70	863.78	0.00	0.00	882.00	1.74	
ARITH. MEAN	125.09	21.21	2038.34	65.10	5.02	3658.75	2228.1	
ARITH. STD. DEV	41.17	8.74	1087.70	64.84	5.29	2124.85	1723.4	
GEOM. MEAN	118.44	19.80	1784.74	63.34	8.55	3054.90	548.22	
1ST QUARTILE	99.89	16.12	1102.01	28.56	0.00	2549.02	1703.6	
2ND QUARTILE	127.84	19.14	1681.88	53.75	5.64	4039.90	2297.5	
3RD QUARTILE	160.84	22.56	2966.92	66.49	9.92	4320.00	2831.8	
VOL. WGT. MEAN	128.99	21.87	2101.89	62.80	5.17	3772.81	.	
MISSING VALUES	3	3	3	6	3	3	3.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - CLOYNE MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	125.0	312.50	85.00	78.75	32.50	51.350	7.500	
MINIMUM	15.0	13.50	7.95	4.64	0.58	3.600	0.580	
ARITH. MEAN	59.6	160.83	33.24	20.15	10.86	24.649	2.477	
ARITH. STD. DEV	33.6	100.55	21.19	21.37	8.56	14.779	2.083	
GEOM. MEAN	50.6	122.71	27.80	14.18	7.47	20.059	1.851	
1ST QUARTILE	39.0	94.50	18.54	8.70	5.58	16.380	1.200	
2ND QUARTILE	52.0	144.30	29.44	13.52	9.66	18.720	1.560	
3RD QUARTILE	79.0	229.10	35.10	16.80	13.75	36.340	3.160	
VOL. WGT. MEAN	.	160.83	33.24	20.15	10.86	24.649	2.477	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	15.795	22.750	39.650	1.170	780.00	78.00	618.54	1582.85
MINIMUM	0.180	0.585	3.168	0.000	34.20	0.00	85.27	0.00
ARITH. MEAN	3.523	4.757	20.174	0.376	242.99	18.21	255.20	527.62
ARITH. STD. DEV	4.692	6.016	12.337	0.363	239.18	22.61	158.03	913.86
GEOM. MEAN	1.774	2.689	16.319	0.289	160.04	15.60	222.56	1582.85
1ST QUARTILE	0.975	1.200	12.180	0.156	87.00	4.32	184.94	0.00
2ND QUARTILE	1.560	2.535	15.756	0.237	140.40	9.48	222.21	0.00
3RD QUARTILE	2.370	6.090	29.440	0.406	277.20	22.50	261.73	1582.85
VOL. WGT. MEAN	3.523	4.757	20.174	0.376	242.99	18.21	275.99	521.34
MISSING VALUES	0	0	0	0	0	0	5	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	278.24	78.00	10157.9	54.93	38.35	6532.00	4984.6	
MINIMUM	87.19	3.42	358.78	33.83	0.00	696.00	260.67	
ARITH. MEAN	137.30	20.20	2397.52	47.32	7.90	3999.49	2521.6	
ARITH. STD. DEV	58.75	19.80	2585.14	11.72	11.51	1778.96	1509.9	
GEOM. MEAN	128.17	14.37	1707.76	46.24	6.68	3473.68	1987.4	
1ST QUARTILE	89.64	12.18	1248.28	33.83	0.00	3079.80	1524.9	
2ND QUARTILE	132.22	14.72	1624.22	53.21	3.12	4212.00	2588.7	
3RD QUARTILE	156.07	20.00	2704.83	54.93	10.08	5434.00	3319.4	
VOL. WGT. MEAN	137.11	20.20	2606.61	47.82	7.90	3999.49	944.65	
MISSING VALUES	3	0	1	10	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION _ _ _ COLCHESTER MIC TYPE A SITE NO.1 _ _ _								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	12.0	12	12	12	12	12	12	
MAXIMUM	235.0	740.25	86.95	65.80	54.05	270.250	12.925	
MINIMUM	19.2	37.44	17.48	9.28	5.22	8.280	2.280	
ARITH. MEAN	64.5	238.49	38.34	28.42	17.32	53.801	6.064	
ARITH. STD. DEV	62.2	198.81	23.95	17.00	13.97	75.194	3.451	
GEOM. MEAN	48.5	180.14	32.86	24.23	13.78	31.739	5.224	
1ST QUARTILE	28.5	108.80	19.01	14.28	7.82	16.320	3.060	
2ND QUARTILE	44.6	146.25	28.94	26.12	11.66	25.056	5.750	
3RD QUARTILE	59.5	308.05	48.19	33.12	22.85	64.050	7.590	
VOL. WGT. MEAN	.	226.19	36.36	26.95	16.43	51.026	5.751	
MISSING VALUES	0.0	1	1	1	1	1	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	12	12	12	12	12	12	12	12
MAXIMUM	35.250	28.200	145.230	11.750	893.00	173.90	2009.20	6953.14
MINIMUM	0.576	0.850	6.808	0.068	51.62	9.28	340.59	0.00
ARITH. MEAN	4.790	6.147	38.593	1.658	250.39	36.91	777.09	2666.19
ARITH. STD. DEV	10.145	7.843	40.788	3.398	256.86	50.82	552.04	2611.63
GEOM. MEAN	1.984	3.644	26.174	0.518	175.58	22.36	649.17	3660.26
1ST QUARTILE	0.855	1.625	15.708	0.138	108.80	10.83	367.51	0.00
2ND QUARTILE	1.728	4.752	22.896	0.467	152.36	20.05	603.23	2585.73
3RD QUARTILE	2.900	8.242	53.680	1.242	298.90	25.01	776.12	3872.55
VOL. WGT. MEAN	4.543	5.830	36.603	1.573	223.35	32.92	663.55	1850.35
MISSING VALUES	1	1	1	1	2	2	3	6
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEM+ LAB UG/M**2	
# OF SAMPLES	12	12	12	12	12	12	12.00	
MAXIMUM	374.69	54.05	7838.36	384.61	143.35	10833.5	6249.9	
MINIMUM	74.89	5.78	992.50	43.29	0.00	825.60	326.06	
ARITH. MEAN	196.69	17.51	2463.88	136.47	20.83	4449.35	2719.4	
ARITH. STD. DEV	121.24	17.45	2221.84	130.84	43.36	3293.51	2001.6	
GEOM. MEAN	165.99	12.45	1889.13	99.06	9.40	3326.41	1861.8	
1ST QUARTILE	103.13	6.72	1166.87	54.03	3.74	1387.50	642.60	
2ND QUARTILE	150.66	11.11	1343.59	82.06	7.85	3296.60	2253.0	
3RD QUARTILE	308.19	14.72	3332.19	172.77	10.89	7353.00	4676.0	
VOL. WGT. MEAN	166.94	15.62	2197.89	92.73	18.58	4219.88	326.06	
MISSING VALUES	4	2	2	6	2	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - COLDWATER MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	144.0	424.00	63.60	44.52	30.78	61.480	7.420	
MINIMUM	42.0	37.73	12.58	3.77	4.34	10.120	0.943	
ARITH. MEAN	74.2	185.02	36.62	23.59	11.98	28.647	3.562	
ARITH. STD. DEV	28.1	113.06	15.88	13.01	7.06	14.223	1.974	
GEOM. MEAN	70.0	151.45	33.10	19.42	10.37	25.511	3.040	
1ST QUARTILE	54.0	102.30	25.62	13.12	6.90	19.053	2.050	
2ND QUARTILE	62.9	169.68	34.02	20.16	12.01	27.705	3.150	
3RD QUARTILE	82.0	241.80	48.03	32.94	14.40	35.797	4.716	
VOL. WGT. MEAN	.	185.02	36.62	23.59	11.98	28.868	3.562	
MISSING VALUES	0.0	0	0	0	0	1	0	
	POTASSIUM	SODIUM	AMMONIUM AS N	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON
	MG/M**2	MG/M**2	MG/M**2	MG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	58.320	22.680	57.664	57.915	729.00	89.10	1598.11	15865.0
MINIMUM	0.230	0.210	8.832	0.000	80.60	0.00	132.35	0.00
ARITH. MEAN	6.284	4.711	26.632	4.781	232.93	27.28	466.66	4319.09
ARITH. STD. DEV	15.684	5.685	13.831	15.968	169.70	22.79	424.18	5519.11
GEOM. MEAN	2.017	2.908	23.343	0.467	194.16	24.04	361.52	2791.98
1ST QUARTILE	1.230	1.886	15.666	0.164	155.00	12.88	206.53	868.24
2ND QUARTILE	1.572	3.220	25.554	0.336	176.40	22.64	370.22	1813.49
3RD QUARTILE	2.940	4.510	33.199	0.424	276.00	29.87	490.74	6662.12
VOL. WGT. MEAN	6.284	4.711	26.837	4.781	232.93	27.28	452.20	4422.22
MISSING VALUES	0	0	1	0	0	0	3	5
	LEAD	VANADIUM	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB	
	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	241.13	23.58	15701.3	144.64	27.54	8437.60	5436.3	
MINIMUM	85.91	7.44	749.86	32.15	0.00	1522.80	2.39	
ARITH. MEAN	164.43	13.36	3412.50	80.63	8.12	4030.19	2323.9	
ARITH. STD. DEV	51.59	5.45	4211.63	36.12	8.96	2311.77	1818.3	
GEOM. MEAN	156.00	12.43	2193.26	73.28	11.27	3414.30	1095.4	
1ST QUARTILE	97.77	8.82	1157.51	56.08	0.00	2079.20	695.65	
2ND QUARTILE	165.11	11.66	1924.70	68.83	5.94	3231.80	1852.5	
3RD QUARTILE	206.23	16.35	3006.42	104.68	15.14	5828.00	3911.9	
VOL. WGT. MEAN	158.15	13.36	3412.50	83.90	8.12	4030.19	695.65	
MISSING VALUES	2	0	0	4	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - DALHOUSIE MILLS MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	96.0	222.00	62.40	31.20	20.25	47.040	4.500	
MINIMUM	29.0	47.85	11.22	8.09	3.68	11.020	0.920	
ARITH. MEAN	58.2	153.64	36.27	15.23	10.49	27.066	2.159	
ARITH. STD. DEV	19.4	60.52	17.62	8.53	5.93	10.455	1.248	
GEOM. MEAN	55.3	139.30	31.94	13.48	8.95	24.939	1.878	
1ST QUARTILE	46.0	106.85	19.60	9.28	5.43	20.479	1.142	
2ND QUARTILE	50.0	165.73	35.21	10.90	9.05	27.880	1.857	
3RD QUARTILE	67.0	207.05	50.70	20.44	15.64	33.745	2.665	
VOL. WGT. MEAN	.	159.55	37.66	15.82	10.89	28.107	2.242	
MISSING VALUES	0.0	1	1	1	1	1	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	4.165	12.375	32.448	1.764	450.00	48.00	793.84	2884.92
MINIMUM	0.870	0.920	7.446	0.087	55.20	0.00	165.92	0.00
ARITH. MEAN	2.259	4.794	21.058	0.532	253.31	24.12	439.87	1398.94
ARITH. STD. DEV	1.098	3.766	8.049	0.446	141.50	18.46	192.19	1444.43
GEOM. MEAN	1.995	3.412	19.314	0.407	211.42	24.01	399.30	1945.43
1ST QUARTILE	1.377	1.495	16.653	0.268	122.50	9.43	365.60	0.00
2ND QUARTILE	2.120	4.230	22.218	0.431	248.18	20.64	423.34	1311.90
3RD QUARTILE	3.203	7.120	26.232	0.586	385.40	42.90	502.36	2884.92
VOL. WGT. MEAN	2.346	4.979	21.868	0.552	263.06	25.05	444.11	1239.03
MISSING VALUES	1	1	1	1	1	1	3	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	220.20	49.50	4798.78	217.66	15.30	5670.00	4037.1	
MINIMUM	59.33	6.63	836.34	0.00	0.00	2203.20	994.42	
ARITH. MEAN	125.03	25.48	2000.69	83.67	5.94	4235.14	2741.5	
ARITH. STD. DEV	52.81	14.98	1222.27	68.52	5.06	1279.46	1067.1	
GEOM. MEAN	115.09	20.62	1717.46	80.33	8.45	4040.27	2494.7	
1ST QUARTILE	86.37	11.55	1055.45	43.12	0.00	3004.75	1880.6	
2ND QUARTILE	129.62	23.84	1519.11	68.86	6.83	4377.80	3108.4	
3RD QUARTILE	136.49	38.22	2643.47	113.84	9.29	5525.10	3581.2	
VOL. WGT. MEAN	122.41	26.46	2077.65	78.00	6.17	4398.06	2100.9	
MISSING VALUES	3	1	1	5	1	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -DORION MIC TYPE A SITE NO.1 - -

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	102.0	183.60	22.59	28.62	5.17	68.340	5.565	
MINIMUM	8.7	6.96	3.31	0.70	0.70	1.218	0.087	
ARITH. MEAN	46.9	66.97	14.29	9.55	3.34	23.988	1.779	
ARITH. STD. DEV	29.7	48.46	6.33	7.70	1.51	19.876	1.613	
GEOM. MEAN	38.0	50.09	12.63	6.50	2.85	15.220	1.060	
1ST QUARTILE	22.7	32.68	8.03	3.53	2.75	9.288	0.602	
2ND QUARTILE	45.3	59.50	15.37	9.08	3.71	22.197	1.362	
3RD QUARTILE	53.0	93.29	18.57	14.28	4.49	36.720	2.585	
VOL. WGT. MEAN	.	66.97	14.29	9.55	3.34	23.988	1.779	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	8.670	3.570	41.146	4.080	387.60	61.20	347.76	9014.49
MINIMUM	0.087	0.561	0.000	0.035	13.05	0.00	43.18	0.00
ARITH. MEAN	2.108	2.210	17.169	0.716	163.00	17.97	208.55	2509.00
ARITH. STD. DEV	2.454	0.990	14.393	1.080	128.41	16.24	90.73	3197.22
GEOM. MEAN	1.014	1.933	11.573	0.329	109.75	15.15	183.05	2253.46
1ST QUARTILE	0.281	1.806	5.039	0.196	56.76	10.60	153.08	442.49
2ND QUARTILE	1.133	2.120	16.660	0.353	111.23	13.65	235.83	1207.99
3RD QUARTILE	3.570	2.951	27.336	0.700	244.80	18.80	261.96	3878.27
VOL. WGT. MEAN	2.108	2.210	17.169	0.716	163.00	17.97	200.22	2246.81
MISSING VALUES	0	0	0	0	0	0	4	5
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	235.80	17.34	5352.02	99.10	14.57	4569.60	2131.1	
MINIMUM	28.78	0.42	164.33	26.80	0.00	434.13	17.83	
ARITH. MEAN	85.24	4.58	1298.64	54.21	4.15	1694.98	586.69	
ARITH. STD. DEV	60.80	4.91	1340.48	30.26	4.18	1104.56	567.32	
GEOM. MEAN	71.32	2.95	894.14	47.74	5.07	1417.52	362.84	
1ST QUARTILE	54.05	2.00	597.93	27.63	0.00	1050.74	299.24	
2ND QUARTILE	62.50	2.27	868.10	50.12	4.64	1409.80	428.65	
3RD QUARTILE	90.49	5.50	1599.86	67.38	6.12	1869.00	551.88	
VOL. WGT. MEAN	80.25	4.58	1298.64	42.16	4.15	1694.98	545.14	
MISSING VALUES	2	0	0	8	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF DEPOSITION

STATION _ _ _DORSET MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	199.0	447.75	103.48	31.27	21.89	90.896	4.345	
MINIMUM	7.0	15.05	3.43	2.94	0.84	3.290	0.455	
ARITH. MEAN	67.1	159.97	38.93	13.66	7.97	34.174	1.996	
ARITH. STD. DEV	45.5	107.41	25.62	9.44	5.82	24.840	1.302	
GEOM. MEAN	54.1	122.66	30.43	10.83	6.09	25.847	1.627	
1ST QUARTILE	43.0	111.60	21.76	7.40	4.08	17.500	1.020	
2ND QUARTILE	59.0	150.10	36.26	11.18	6.82	29.230	1.640	
3RD QUARTILE	79.0	200.90	54.12	21.60	9.84	36.080	2.450	
VOL. WGT. MEAN	.	159.97	38.93	13.66	7.97	34.174	1.996	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	8.237	7.960	63.680	3.863	355.50	36.90	652.61	11412.0
MINIMUM	0.350	0.280	2.632	0.000	45.58	0.00	41.41	1078.47
ARITH. MEAN	2.101	2.720	26.445	0.656	160.10	18.34	295.13	4011.31
ARITH. STD. DEV	2.216	2.285	16.720	1.006	111.15	12.56	172.84	4972.70
GEOM. MEAN	1.355	1.908	20.761	0.417	125.67	15.60	240.57	2410.63
1ST QUARTILE	0.740	1.230	13.580	0.236	68.00	8.14	164.32	1105.71
2ND QUARTILE	1.360	1.860	25.714	0.492	123.00	20.06	257.71	1777.38
3RD QUARTILE	2.950	3.330	34.472	0.597	257.83	31.00	396.33	6916.92
VOL. WGT. MEAN	2.101	2.720	26.445	0.656	160.10	18.34	295.13	5407.19
MISSING VALUES	0	0	0	0	0	0	0	9
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREESH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	238.72	39.80	3732.27	154.74	28.70	11900.2	8106.9	
MINIMUM	18.93	0.98	551.69	22.90	0.00	378.70	156.71	
ARITH. MEAN	141.34	14.64	1689.16	87.51	7.66	4615.37	2916.7	
ARITH. STD. DEV	62.52	11.51	926.51	35.40	8.61	2819.17	2053.9	
GEOM. MEAN	120.52	10.32	1458.54	79.25	8.36	3675.52	2056.2	
1ST QUARTILE	118.68	6.45	804.05	67.06	0.00	2849.00	1854.4	
2ND QUARTILE	140.94	8.14	1603.88	86.21	6.25	4295.20	2635.4	
3RD QUARTILE	191.65	25.42	2307.21	101.09	10.80	5332.00	3832.4	
VOL. WGT. MEAN	126.75	14.64	1689.16	80.61	7.66	4615.37	1854.4	
MISSING VALUES	3	0	0	2	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - - - - -EAR FALLS MIC TYPE A SITE NO.1 - - - - -								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	105.0	120.75	23.10	18.90	10.40	53.550	4.200	
MINIMUM	9.9	9.52	0.65	1.04	0.60	1.903	0.086	
ARITH. MEAN	38.5	41.40	8.84	8.74	4.86	15.205	1.726	
ARITH. STD. DEV	28.4	32.68	6.23	5.60	3.07	15.116	1.238	
GEOM. MEAN	30.8	31.96	6.55	6.82	3.83	9.819	1.224	
1ST QUARTILE	18.2	19.66	4.29	4.77	2.68	5.540	0.875	
2ND QUARTILE	32.5	30.60	8.98	7.31	4.30	8.775	1.554	
3RD QUARTILE	45.0	50.00	10.80	12.97	6.54	19.780	2.400	
VOL. WGT. MEAN	.	41.40	8.84	8.63	4.86	15.205	1.704	
MISSING VALUES	0.0	0	0	1	0	0	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	8.500	7.227	35.700	1.470	430.50	81.25	387.82	5895.78
MINIMUM	0.173	0.450	0.000	0.143	17.30	0.00	49.51	0.00
ARITH. MEAN	2.388	2.898	9.445	0.523	194.19	21.97	216.12	2648.31
ARITH. STD. DEV	2.841	1.820	11.299	0.387	127.24	22.25	123.94	2369.08
GEOM. MEAN	1.248	2.344	4.380	0.407	145.84	15.30	180.19	2520.86
1ST QUARTILE	0.664	1.696	0.965	0.200	112.00	6.73	124.36	871.17
2ND QUARTILE	1.115	2.816	5.680	0.500	147.42	17.34	211.80	1984.47
3RD QUARTILE	3.798	3.438	11.696	0.610	290.14	27.90	309.77	5153.97
VOL. WGT. MEAN	2.357	2.861	9.445	0.523	194.19	21.97	188.70	3291.32
MISSING VALUES	1	1	0	0	0	0	4	7
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	246.26	10.73	6445.82	137.61	20.64	2656.50	599.85	
MINIMUM	0.00	0.17	314.14	0.00	0.00	250.00	10.50	
ARITH. MEAN	84.99	3.43	1728.92	55.02	7.06	1029.52	243.86	
ARITH. STD. DEV	75.16	2.87	1743.50	50.37	6.28	761.74	209.65	
GEOM. MEAN	88.67	2.28	1243.54	69.23	6.49	817.45	143.22	
1ST QUARTILE	34.62	1.38	900.64	0.00	2.50	513.35	91.49	
2ND QUARTILE	76.80	2.67	1123.98	46.49	5.53	869.30	143.22	
3RD QUARTILE	126.06	5.16	2309.63	107.41	9.70	1164.68	460.26	
VOL. WGT. MEAN	78.42	3.43	1635.32	50.82	7.06	1016.35	.	
MISSING VALUES	3	0	2	3	0	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - E.L.A. MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	11.0	11	11	11	11	11	11	
MAXIMUM	128.0	147.20	37.80	37.80	14.40	62.100	6.300	
MINIMUM	14.3	8.64	2.07	0.86	0.52	1.674	0.071	
ARITH. MEAN	42.6	46.05	12.21	9.99	3.70	18.505	1.929	
ARITH. STD. DEV	36.4	45.06	11.69	11.49	4.10	19.363	2.161	
GEOM. MEAN	32.6	29.68	8.31	5.76	2.29	10.020	0.997	
1ST QUARTILE	17.9	10.01	3.58	2.72	0.92	2.860	0.389	
2ND QUARTILE	25.9	35.03	8.29	6.24	2.67	10.928	1.040	
3RD QUARTILE	53.0	59.80	14.04	9.81	4.39	27.040	2.385	
VOL. WGT. MEAN	.	46.05	12.21	9.99	3.70	18.505	1.929	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11	11
MAXIMUM	6.300	3.452	54.900	1.152	576.00	38.40	377.25	12020.2
MINIMUM	0.000	0.260	0.000	0.000	18.59	0.00	51.38	0.00
ARITH. MEAN	1.544	2.037	15.027	0.447	148.20	9.88	138.61	3128.55
ARITH. STD. DEV	1.908	1.113	17.151	0.333	161.27	10.74	109.62	4720.47
GEOM. MEAN	0.978	1.598	7.811	0.399	94.23	7.64	110.08	4928.73
1ST QUARTILE	0.259	0.690	1.606	0.196	35.56	2.72	65.96	0.00
2ND QUARTILE	1.040	2.238	9.022	0.408	108.00	7.95	81.91	1089.13
3RD QUARTILE	1.855	3.150	25.272	0.607	184.93	12.60	200.57	4572.79
VOL. WGT. MEAN	1.544	2.037	15.027	0.447	148.20	9.88	134.30	3353.58
MISSING VALUES	0	0	0	0	0	0	2	5
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	11	11	11	11	11	11	11.00	
MAXIMUM	154.04	12.80	3561.35	191.21	12.69	2534.40	429.83	
MINIMUM	0.00	0.52	450.40	0.00	0.00	320.28	7.81	
ARITH. MEAN	61.04	3.44	1486.01	86.19	2.02	952.67	146.36	
ARITH. STD. DEV	49.71	3.99	1082.56	96.99	3.90	696.77	125.11	
GEOM. MEAN	52.95	2.02	1210.09	113.48	4.07	771.40	91.75	
1ST QUARTILE	23.15	0.92	786.46	0.00	0.00	454.66	31.44	
2ND QUARTILE	56.96	1.56	1241.10	67.35	0.00	623.42	136.23	
3RD QUARTILE	87.04	5.01	1638.29	191.21	4.00	1139.50	195.24	
VOL. WGT. MEAN	59.55	3.44	1486.01	53.51	2.02	952.67	195.24	
MISSING VALUES	3	0	0	8	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF DEPOSITION

STATION - GERALDTON MIC TYPE A SITE NO. 1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	75.0	202.50	26.25	18.00	9.00	68.250	3.375	
MINIMUM	11.9	7.87	3.29	0.86	1.08	2.002	0.000	
ARITH. MEAN	38.3	60.59	10.93	7.33	3.73	18.553	1.173	
ARITH. STD. DEV	22.5	55.51	6.51	5.35	2.39	18.277	0.989	
GEOM. MEAN	32.1	41.17	9.20	5.44	3.08	11.695	0.882	
1ST QUARTILE	21.0	25.00	7.64	3.13	2.29	6.125	0.417	
2ND QUARTILE	38.2	32.54	8.61	6.48	2.89	15.120	1.088	
3RD QUARTILE	43.5	76.65	15.05	10.04	5.02	23.760	1.544	
VOL. WGT. MEAN	.	60.59	10.93	7.33	3.73	18.553	1.173	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	7.500	5.092	41.700	3.150	382.50	26.24	301.26	2073.75
MINIMUM	0.000	0.420	0.000	0.050	18.59	0.00	68.72	0.00
ARITH. MEAN	1.298	2.424	12.113	0.586	119.90	9.10	151.90	750.45
ARITH. STD. DEV	2.052	1.506	12.825	0.844	105.41	9.40	83.40	885.81
GEOM. MEAN	0.818	1.937	8.421	0.313	81.56	11.29	135.56	1064.47
1ST QUARTILE	0.060	1.080	1.571	0.217	35.64	0.00	106.62	0.00
2ND QUARTILE	0.500	2.503	8.480	0.243	87.60	6.80	123.07	488.95
3RD QUARTILE	1.800	3.511	17.835	0.386	168.07	16.93	188.63	1189.54
VOL. WGT. MEAN	1.298	2.424	12.113	0.586	113.39	8.61	138.88	692.12
MISSING VALUES	0	0	0	0	1	1	7	8
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	91.23	7.33	1945.10	34.10	11.58	4305.00	1927.8	
MINIMUM	57.69	0.78	544.09	0.00	0.00	482.50	138.47	
ARITH. MEAN	74.52	3.18	1016.45	16.23	4.37	1608.28	673.89	
ARITH. STD. DEV	14.44	2.33	461.80	14.29	4.36	1101.68	580.05	
GEOM. MEAN	73.30	2.46	929.44	23.00	5.93	1318.69	476.90	
1ST QUARTILE	59.05	1.35	638.81	0.00	0.00	838.95	242.85	
2ND QUARTILE	79.56	2.16	834.83	17.99	4.50	1321.72	428.61	
3RD QUARTILE	90.38	5.67	1352.94	27.28	8.62	1900.80	869.24	
VOL. WGT. MEAN	70.69	3.01	961.25	15.97	4.11	1608.28	217.02	
MISSING VALUES	6	1	1	7	2	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - GOLDEN LAKE MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	130.0	507.00	61.10	36.40	11.70	96.200	5.200	
MINIMUM	1.7	29.90	6.90	2.72	1.61	4.680	0.580	
ARITH. MEAN	52.2	136.45	23.89	8.69	4.89	20.348	1.397	
ARITH. STD. DEV	32.4	134.44	13.78	9.69	2.72	26.046	1.394	
GEOM. MEAN	38.6	98.75	21.04	6.38	4.32	13.729	1.068	
1ST QUARTILE	29.0	44.85	15.64	4.14	3.36	8.410	0.690	
2ND QUARTILE	53.0	86.95	23.49	5.20	3.64	10.800	0.840	
3RD QUARTILE	62.0	174.00	26.40	6.96	6.20	19.140	1.305	
VOL. WGT. MEAN	.	125.58	21.99	8.00	4.50	18.727	1.286	
MISSING VALUES	0.0	2	2	2	2	2	2	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	7.800	2.790	87.620	0.660	572.00	26.00	395.40	0.00
MINIMUM	0.390	0.460	4.056	0.000	0.00	0.00	41.13	0.00
ARITH. MEAN	1.979	1.774	18.082	0.245	115.70	10.95	186.44	0.00
ARITH. STD. DEV	2.113	0.773	23.708	0.242	155.75	10.64	118.96	0.00
GEOM. MEAN	1.364	1.571	12.099	0.192	84.59	17.79	152.49	.
1ST QUARTILE	0.680	0.900	6.946	0.078	47.30	0.00	102.27	0.00
2ND QUARTILE	1.260	1.820	9.720	0.141	62.30	10.70	150.10	0.00
3RD QUARTILE	2.610	2.350	17.574	0.522	91.80	21.28	286.95	0.00
VOL. WGT. MEAN	1.821	1.632	16.642	0.226	115.85	10.96	159.19	0.00
MISSING VALUES	2	2	2	2	1	1	6	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREESH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	192.35	27.84	3589.22	82.63	17.40	9880.00	6080.6	
MINIMUM	62.80	0.00	433.49	32.66	0.00	641.30	108.21	
ARITH. MEAN	102.44	10.02	1189.81	51.27	2.83	3446.80	2099.1	
ARITH. STD. DEV	49.83	7.58	935.27	20.21	5.11	2445.71	1559.0	
GEOM. MEAN	94.00	8.74	958.79	48.39	2.71	2757.98	1495.2	
1ST QUARTILE	79.38	5.02	530.95	36.77	0.00	1765.10	1021.2	
2ND QUARTILE	80.26	8.86	854.17	45.36	0.06	3126.60	2006.9	
3RD QUARTILE	99.68	12.51	1835.56	58.93	3.91	4428.20	2607.5	
VOL. WGT. MEAN	83.71	10.04	1095.02	38.24	2.84	3189.65	.	
MISSING VALUES	4	1	2	8	1	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - GOWGANDA MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	135.0	405.00	44.55	16.20	9.45	49.950	3.375
MINIMUM	11.0	9.90	5.23	0.82	1.10	1.080	0.090
ARITH. MEAN	52.8	115.03	17.04	5.88	3.76	16.250	1.011
ARITH. STD. DEV	36.8	114.48	12.17	5.36	2.53	15.663	1.054
GEOM. MEAN	41.8	71.12	13.61	3.96	3.04	10.075	0.571
1ST QUARTILE	25.0	39.32	7.37	2.40	1.63	4.505	0.228
2ND QUARTILE	43.7	76.85	12.60	3.58	3.38	11.390	0.595
3RD QUARTILE	71.7	174.80	26.57	8.18	5.17	20.455	1.544
VOL. WGT. MEAN	.	118.56	17.56	6.06	3.88	16.748	1.042
MISSING VALUES	0.0	1	1	1	1	1	1

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	5.400	3.933	42.660	3.300	378.00	19.25	456.56	4900.65
MINIMUM	0.000	0.000	0.288	0.000	12.96	0.00	83.57	0.00
ARITH. MEAN	1.232	1.471	13.354	0.667	95.42	8.42	227.21	850.40
ARITH. STD. DEV	1.554	1.305	14.018	0.957	103.46	5.90	124.76	1828.53
GEOM. MEAN	0.911	1.188	6.533	0.489	61.71	9.15	199.89	2270.75
1ST QUARTILE	0.090	0.545	2.530	0.018	34.53	5.15	157.67	0.00
2ND QUARTILE	0.750	1.022	7.335	0.366	62.99	7.85	196.07	0.00
3RD QUARTILE	1.850	2.150	21.070	0.899	115.08	10.83	285.05	1052.17
VOL. WGT. MEAN	1.218	1.516	13.764	0.688	98.35	8.67	190.71	1014.62
MISSING VALUES	2	1	1	1	1	1	5	6

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	241.61	18.90	4590.39	129.96	13.50	10840.5	6612.0
MINIMUM	55.23	1.44	369.98	26.43	0.00	910.25	147.68
ARITH. MEAN	115.63	6.07	1447.91	57.83	3.73	3222.19	1977.6
ARITH. STD. DEV	64.91	4.84	1336.46	31.85	3.98	2772.13	1756.6
GEOM. MEAN	101.73	4.71	1031.42	51.47	4.75	2451.94	1355.2
1ST QUARTILE	64.26	2.82	515.69	35.56	0.00	1208.05	738.38
2ND QUARTILE	95.93	5.18	981.22	54.59	3.23	2347.61	1517.9
3RD QUARTILE	139.35	7.36	1862.41	63.43	5.60	4302.95	2600.2
VOL. WGT. MEAN	100.14	6.25	1492.28	49.86	3.84	3320.93	609.92
MISSING VALUES	4	1	1	4	1	1	1.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -HURON PARK MIC TYPE A SITE NO.1 - - - - -

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	86.0	319.20	59.29	102.11	36.49	76.191	32.537	
MINIMUM	26.0	111.25	18.31	20.64	5.72	19.800	3.440	
ARITH. MEAN	52.3	214.09	38.85	40.50	15.64	41.411	8.274	
ARITH. STD. DEV	20.0	69.96	11.16	26.52	9.81	18.087	8.074	
GEOM. MEAN	49.0	202.94	37.20	34.49	13.34	37.861	6.457	
1ST QUARTILE	38.1	161.18	32.58	21.60	8.98	24.765	3.997	
2ND QUARTILE	45.6	197.51	40.70	24.18	11.28	44.460	5.579	
3RD QUARTILE	63.0	277.80	44.59	62.30	22.71	58.450	9.059	
VOL. WGT. MEAN	.	211.82	38.44	38.73	15.47	39.163	8.187	
MISSING VALUES	0.0	1	1	2	1	2	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	4.593	20.025	52.438	16.121	492.65	37.61	1959.06	4639.08
MINIMUM	1.290	1.430	5.494	0.000	9.48	11.52	179.90	0.00
ARITH. MEAN	2.333	6.484	31.838	1.658	212.28	26.21	886.26	2645.81
ARITH. STD. DEV	1.087	6.239	15.537	4.563	114.19	8.06	497.62	1554.54
GEOM. MEAN	2.149	4.209	27.194	0.486	166.35	24.84	762.12	2802.96
1ST QUARTILE	1.705	1.830	18.648	0.093	161.10	22.10	620.16	1686.10
2ND QUARTILE	1.905	3.468	34.146	0.353	193.94	27.23	737.94	2536.28
3RD QUARTILE	2.756	11.178	42.900	0.655	258.65	31.43	991.79	4041.31
VOL. WGT. MEAN	2.308	6.415	30.109	1.640	210.03	25.93	876.88	2576.99
MISSING VALUES	1	1	2	1	1	1	1	5
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	316.51	36.48	6427.78	118.10	23.04	7894.80	6375.3	
MINIMUM	107.54	4.25	1506.72	23.29	0.00	251.79	0.53	
ARITH. MEAN	198.19	18.28	3167.48	62.06	9.19	3735.82	2418.3	
ARITH. STD. DEV	71.69	10.22	1630.10	26.56	7.41	2588.11	2135.7	
GEOM. MEAN	186.80	15.21	2837.69	57.05	11.02	2378.23	333.11	
1ST QUARTILE	132.89	7.97	1949.69	42.69	2.47	686.24	11.48	
2ND QUARTILE	192.93	20.45	2581.92	59.09	10.23	4178.70	2321.7	
3RD QUARTILE	275.70	26.00	3769.24	69.66	13.38	5776.50	3942.2	
VOL. WGT. MEAN	201.01	18.09	3133.96	61.40	9.09	3696.29	18.55	
MISSING VALUES	3	1	1	1	1	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - KILLARNEY MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	88.0	246.40	66.56	29.40	28.67	54.600	3.920	
MINIMUM	15.0	17.25	3.30	1.80	1.20	4.050	0.300	
ARITH. MEAN	46.5	140.51	35.87	14.35	8.38	23.040	2.090	
ARITH. STD. DEV	19.6	67.11	18.04	7.94	7.59	13.009	1.100	
GEOM. MEAN	42.5	117.47	29.49	11.58	5.88	19.506	1.726	
1ST QUARTILE	37.0	87.53	24.48	8.96	3.52	13.918	1.260	
2ND QUARTILE	41.0	146.58	34.29	14.41	7.00	22.700	2.126	
3RD QUARTILE	56.5	183.49	51.31	19.52	10.77	28.602	2.765	
VOL. WGT. MEAN	.	137.67	35.15	14.06	8.21	22.574	2.048	
MISSING VALUES	0.0	1	1	1	1	1	1	
	POTASSIUM	SODIUM	AMMONIUM AS N	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON
	MG/M**2	MG/M**2	MG/M**2	MG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	3.080	16.152	52.500	0.440	332.10	72.49	539.78	4377.93
MINIMUM	0.720	0.675	2.970	0.000	27.00	7.79	72.75	692.99
ARITH. MEAN	1.543	3.538	20.581	0.247	162.37	36.48	328.46	2119.67
ARITH. STD. DEV	0.760	4.326	12.875	0.151	85.91	20.66	149.90	1332.23
GEOM. MEAN	1.386	2.230	16.815	0.233	135.29	30.33	284.87	1757.30
1ST QUARTILE	0.944	0.967	12.487	0.124	81.60	16.28	224.32	768.88
2ND QUARTILE	1.364	1.960	19.806	0.236	191.10	39.90	354.86	1867.71
3RD QUARTILE	1.964	4.020	24.393	0.400	202.40	50.05	418.88	3311.17
VOL. WGT. MEAN	1.512	3.467	20.165	0.242	156.54	35.18	293.07	2086.06
MISSING VALUES	1	1	1	1	2	2	6	6
	LEAD	VANADIUM	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB	
	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	245.53	37.29	3581.88	260.32	21.70	6919.50	4618.3	
MINIMUM	69.01	1.95	543.17	38.87	3.30	496.50	197.74	
ARITH. MEAN	164.95	13.96	1995.28	114.02	9.25	4242.46	2630.8	
ARITH. STD. DEV	62.37	10.80	828.18	74.85	5.45	1920.07	1334.7	
GEOM. MEAN	152.59	10.40	1811.67	93.90	7.94	3612.11	2120.5	
1ST QUARTILE	119.59	6.24	1490.59	52.60	5.28	3239.55	1772.9	
2ND QUARTILE	183.86	8.19	1999.23	96.36	7.68	4263.50	2508.1	
3RD QUARTILE	216.67	23.72	2480.79	136.67	12.71	5871.07	3582.8	
VOL. WGT. MEAN	144.25	13.46	1923.67	111.57	8.92	4156.66	2244.2	
MISSING VALUES	4	2	2	4	2	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -LAC LA CROIX MIC TYPE A SITE NO.1 - -

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	119.0	160.65	31.04	32.98	13.09	54.320	5.335	
MINIMUM	8.5	11.75	2.54	1.13	0.27	2.635	0.188	
ARITH. MEAN	50.4	57.75	13.05	8.95	3.58	19.595	1.487	
ARITH. STD. DEV	39.1	50.41	8.14	9.03	3.62	17.932	1.570	
GEOM. MEAN	35.3	39.19	10.49	5.93	2.35	12.131	0.950	
1ST QUARTILE	16.8	17.57	6.78	3.07	1.51	4.366	0.502	
2ND QUARTILE	38.6	28.91	13.94	5.26	2.08	8.937	0.820	
3RD QUARTILE	82.0	103.95	18.40	10.40	4.41	28.980	1.596	
VOL. WGT. MEAN	.	57.75	13.05	8.95	3.58	19.595	1.487	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	13.090	5.950	50.634	1.309	499.80	46.32	316.84	3311.26
MINIMUM	0.085	0.000	1.605	0.000	35.72	0.00	0.00	0.00
ARITH. MEAN	2.110	1.826	16.495	0.265	214.28	11.62	93.25	1103.75
ARITH. STD. DEV	3.530	1.513	15.761	0.354	178.49	13.58	98.44	1911.76
GEOM. MEAN	0.887	1.594	9.301	0.227	150.98	13.95	92.60	3311.26
1ST QUARTILE	0.420	0.846	4.416	0.050	90.24	0.00	25.27	0.00
2ND QUARTILE	0.536	1.615	8.283	0.154	110.96	8.74	78.61	0.00
3RD QUARTILE	1.890	1.940	28.350	0.378	396.00	17.54	133.51	3311.26
VOL. WGT. MEAN	2.110	1.826	16.495	0.265	201.43	10.92	82.30	3145.80
MISSING VALUES	0	0	0	0	1	1	4	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	172.11	10.71	4773.71	48.58	10.81	3130.40	1048.9	
MINIMUM	0.00	0.00	372.15	0.00	0.00	368.48	52.09	
ARITH. MEAN	68.80	3.33	1438.45	16.50	1.89	1459.44	406.49	
ARITH. STD. DEV	66.52	3.26	1388.07	19.53	3.38	1020.18	346.93	
GEOM. MEAN	54.53	2.89	1011.57	23.75	3.19	1115.45	277.25	
1ST QUARTILE	16.89	0.91	470.29	0.00	0.00	619.08	152.45	
2ND QUARTILE	49.19	2.47	961.52	7.42	0.00	1107.82	211.50	
3RD QUARTILE	123.05	5.55	1715.35	31.77	2.26	2255.40	630.00	
VOL. WGT. MEAN	65.49	3.13	1352.17	15.07	1.77	1459.44	211.50	
MISSING VALUES	5	1	1	6	1	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - MATTAWA MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	110.0	436.80	49.14	47.84	23.38	113.360	11.960	
MINIMUM	32.1	40.55	8.84	4.62	2.38	10.982	0.680	
ARITH. MEAN	65.1	165.66	33.40	14.08	8.26	29.143	2.379	
ARITH. STD. DEV	25.5	119.42	13.02	12.83	5.72	28.869	3.102	
GEOM. MEAN	60.7	132.97	30.31	10.52	6.81	22.027	1.574	
1ST QUARTILE	52.0	87.60	24.40	5.84	4.20	15.370	0.954	
2ND QUARTILE	57.8	126.00	39.53	9.60	6.24	18.000	1.325	
3RD QUARTILE	91.0	210.60	42.64	18.20	9.88	24.200	1.650	
VOL. WGT. MEAN	.	165.66	33.40	14.08	8.26	29.143	2.379	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	4.095	14.074	77.584	3.549	673.40	61.88	490.08	11050.1
MINIMUM	0.578	0.850	6.966	0.000	75.14	3.85	80.92	0.00
ARITH. MEAN	1.801	4.073	22.696	0.558	214.34	27.15	282.95	3679.95
ARITH. STD. DEV	1.213	3.622	19.360	0.961	169.61	19.30	115.75	3142.78
GEOM. MEAN	1.460	2.976	17.958	0.325	169.81	20.41	256.80	3157.70
1ST QUARTILE	0.863	1.766	13.568	0.130	86.67	9.36	232.13	1719.77
2ND QUARTILE	1.211	2.750	14.959	0.294	180.20	21.60	268.97	2119.59
3RD QUARTILE	2.631	5.830	25.520	0.501	263.52	40.28	350.46	5635.76
VOL. WGT. MEAN	1.895	4.073	22.696	0.587	214.34	27.15	267.46	3653.71
MISSING VALUES	1	0	0	1	0	0	3	2
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	264.93	26.35	7481.44	219.13	14.56	8180.90	5200.0	
MINIMUM	78.68	3.06	868.40	42.65	0.00	1836.00	873.93	
ARITH. MEAN	132.72	9.64	2568.78	112.64	5.22	4452.58	2770.4	
ARITH. STD. DEV	58.87	6.06	1924.57	64.44	4.89	1663.74	1390.5	
GEOM. MEAN	122.83	8.35	2065.35	96.81	6.44	4177.61	2432.8	
1ST QUARTILE	81.78	6.24	1187.98	70.00	0.00	3397.30	1986.8	
2ND QUARTILE	118.84	7.95	1801.39	81.03	4.20	4202.00	2578.7	
3RD QUARTILE	174.79	11.40	3322.51	187.10	8.48	4913.55	3284.1	
VOL. WGT. MEAN	132.01	9.64	2568.78	111.71	5.22	4452.58	2874.8	
MISSING VALUES	3	0	0	3	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - MCKELLAR MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	12.0	12	12	12	12	12	12	
MAXIMUM	184.0	234.90	68.08	22.08	18.62	99.180	4.350	
MINIMUM	14.0	46.90	8.40	3.20	2.04	5.740	0.600	
ARITH. MEAN	60.4	134.81	35.35	12.08	8.29	33.090	1.981	
ARITH. STD. DEV	44.9	63.31	18.40	6.56	5.19	27.191	1.141	
GEOM. MEAN	48.8	120.29	30.24	10.34	6.55	24.422	1.708	
1ST QUARTILE	36.5	88.15	19.10	6.12	3.02	15.450	1.095	
2ND QUARTILE	46.7	114.46	36.46	11.26	9.42	21.953	1.806	
3RD QUARTILE	73.3	186.25	49.57	17.40	11.50	48.353	2.380	
VOL. WGT. MEAN	.	134.81	35.35	11.29	8.29	33.090	1.981	
MISSING VALUES	0.0	0	0	1	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	12	12	12	12	12	12	12	12
MAXIMUM	17.835	10.864	57.420	7.656	356.70	57.27	533.91	5447.17
MINIMUM	0.400	0.340	4.620	0.000	1.54	0.00	73.72	0.00
ARITH. MEAN	3.265	3.319	26.968	1.012	160.02	23.36	339.55	1993.76
ARITH. STD. DEV	4.861	3.294	18.776	2.145	119.52	16.83	171.44	1685.37
GEOM. MEAN	1.705	1.944	20.662	0.425	95.02	21.52	283.75	1780.44
1ST QUARTILE	0.803	0.725	13.762	0.067	72.50	10.97	203.88	920.89
2ND QUARTILE	1.318	1.809	18.989	0.285	142.25	19.58	388.60	1713.57
3RD QUARTILE	4.400	5.487	46.819	0.736	255.84	29.23	451.14	2616.98
VOL. WGT. MEAN	3.265	3.319	26.968	1.012	160.02	23.36	294.95	2403.65
MISSING VALUES	0	0	0	0	0	0	3	4
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	12	12	12	12	12	12	12.00	
MAXIMUM	322.28	33.37	3412.77	225.72	14.72	6052.80	3979.8	
MINIMUM	0.00	3.20	465.87	16.26	0.00	165.20	0.37	
ARITH. MEAN	148.07	13.46	1716.88	118.33	5.95	3554.94	2175.7	
ARITH. STD. DEV	85.43	9.75	1026.85	73.10	5.34	1685.48	1110.3	
GEOM. MEAN	146.43	10.17	1424.61	92.55	6.69	2824.93	1072.7	
1ST QUARTILE	73.96	4.49	926.85	64.87	1.19	2583.40	1418.7	
2ND QUARTILE	154.88	12.21	1430.83	110.18	4.93	3294.00	2085.4	
3RD QUARTILE	186.85	19.74	2753.34	177.28	10.12	4875.79	3018.7	
VOL. WGT. MEAN	142.41	13.46	1716.88	142.62	5.95	3554.94	2576.7	
MISSING VALUES	1	0	0	4	0	0	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF DEPOSITION

STATION - MERLIN MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	194.0	649.90	77.60	103.75	48.46	65.540	22.625
MINIMUM	9.8	43.12	14.80	9.00	3.70	8.526	1.700
ARITH. MEAN	57.7	235.46	37.61	39.82	21.81	30.120	7.976
ARITH. STD. DEV	50.3	191.83	18.62	27.83	16.63	19.054	5.754
GEOM. MEAN	41.9	181.91	33.74	31.01	16.24	25.238	6.178
1ST QUARTILE	28.0	123.49	24.01	16.30	9.45	16.672	3.443
2ND QUARTILE	46.6	159.00	31.80	37.32	13.56	22.915	8.565
3RD QUARTILE	63.0	264.60	42.57	58.99	33.81	43.935	9.628
VOL. WGT. MEAN	.	235.46	37.61	39.56	21.81	37.513	7.923
MISSING VALUES	0.0	0	0	1	0	1	1

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	42.680	27.311	64.184	32.398	659.60	105.72	1469.08	6258.42
MINIMUM	0.850	0.600	5.018	0.100	68.40	8.60	256.12	470.18
ARITH. MEAN	7.519	10.117	24.811	2.904	258.15	32.61	591.59	3205.57
ARITH. STD. DEV	13.020	9.975	19.575	8.867	170.26	24.44	367.06	1742.12
GEOM. MEAN	3.024	5.309	18.855	0.485	213.31	26.74	515.33	2633.89
1ST QUARTILE	1.680	1.855	11.777	0.226	153.78	22.25	353.19	2376.85
2ND QUARTILE	1.875	5.130	15.014	0.432	212.00	26.46	482.98	3020.22
3RD QUARTILE	2.850	18.032	40.443	0.756	306.90	36.40	610.00	4060.91
VOL. WGT. MEAN	7.519	10.117	30.901	2.904	258.15	32.61	567.28	2971.87
MISSING VALUES	0	0	1	0	0	0	1	5

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREBH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	2618.86	48.50	8959.20	787.99	37.88	13221.0	10791
MINIMUM	63.94	3.40	890.64	47.81	0.00	168.56	0.73
ARITH. MEAN	386.62	17.18	3223.78	174.31	10.60	3243.04	1871.7
ARITH. STD. DEV	743.07	14.86	2324.48	217.64	12.63	3450.81	2955.9
GEOM. MEAN	195.89	12.51	2561.00	115.85	8.43	1910.89	325.53
1ST QUARTILE	123.24	6.93	1437.43	66.91	3.50	868.80	122.22
2ND QUARTILE	167.08	11.30	2693.25	99.40	6.06	2330.00	494.62
3RD QUARTILE	213.22	18.17	4403.49	122.24	10.23	4142.00	1862.1
VOL. WGT. MEAN	378.09	17.18	3223.78	167.14	10.60	3243.04	0.73
MISSING VALUES	2	0	0	1	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - MOONBEAM MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	117.0	412.00	43.29	60.80	38.40	48.114	15.600
MINIMUM	8.0	3.20	3.20	0.80	0.80	0.800	0.120
ARITH. MEAN	51.3	97.78	16.30	12.43	7.04	18.138	2.438
ARITH. STD. DEV	31.4	106.80	12.12	15.49	10.01	15.069	4.018
GEOM. MEAN	40.8	59.04	12.47	7.78	3.88	11.502	1.307
1ST QUARTILE	30.0	42.11	7.87	5.10	1.97	5.433	0.900
2ND QUARTILE	46.8	56.95	12.31	6.40	4.25	16.510	1.275
3RD QUARTILE	68.4	102.00	23.40	12.31	8.26	24.240	2.187
VOL. WGT. MEAN	.	97.78	16.30	12.43	7.04	19.024	2.438
MISSING VALUES	0.0	0	0	0	0	1	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	103.200	42.800	46.656	59.200	328.00	83.60	1900.60	14564.7
MINIMUM	0.000	0.600	0.000	0.000	12.00	0.00	69.58	0.00
ARITH. MEAN	9.992	5.919	15.087	5.038	136.85	16.56	621.77	3015.60
ARITH. STD. DEV	28.082	11.314	13.892	16.288	89.96	21.25	643.58	5233.91
GEOM. MEAN	2.340	2.702	10.861	0.474	104.14	12.53	372.75	2170.27
1ST QUARTILE	0.750	1.368	3.012	0.059	60.83	8.80	184.08	0.00
2ND QUARTILE	1.400	2.187	12.672	0.187	120.60	11.05	292.17	896.30
3RD QUARTILE	3.763	3.510	23.730	1.163	184.68	13.00	962.39	3594.61
VOL. WGT. MEAN	9.992	5.919	15.824	5.038	136.85	16.56	562.59	2618.78
MISSING VALUES	0	0	1	0	0	0	4	6

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	171.20	27.20	12352.4	260.71	19.36	5288.40	2938.9
MINIMUM	42.97	1.28	343.63	41.00	0.00	372.00	2.47
ARITH. MEAN	107.64	6.99	2138.06	88.12	8.39	1835.31	745.68
ARITH. STD. DEV	47.33	6.63	3110.29	85.67	6.03	1364.69	811.63
GEOM. MEAN	97.23	5.27	1399.20	68.12	8.82	1426.16	329.53
1ST QUARTILE	60.77	4.25	1009.80	45.66	6.03	1085.40	205.63
2ND QUARTILE	100.53	4.84	1297.09	50.62	7.11	1320.31	539.59
3RD QUARTILE	145.97	6.80	1898.14	80.10	10.95	2432.00	838.40
VOL. WGT. MEAN	102.86	6.99	2138.06	73.26	8.39	1835.31	838.40
MISSING VALUES	2	0	0	7	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -MOOSONEE MIC TYPE A SITE NO.1 - -

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDHAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	105.0	278.25	28.35	31.50	117.04	44.100	7.285
MINIMUM	3.0	1.05	0.54	0.00	0.63	0.210	0.000
ARITH. MEAN	47.6	65.20	11.72	8.94	23.71	14.574	2.472
ARITH. STD. DEV	31.5	78.37	8.44	9.94	36.38	14.871	2.666
GEOM. MEAN	34.3	34.10	8.03	6.89	7.26	7.427	1.330
1ST QUARTILE	20.7	32.04	4.50	0.51	1.24	3.080	0.120
2ND QUARTILE	47.0	49.03	11.04	7.20	9.56	9.400	1.650
3RD QUARTILE	71.2	65.00	15.04	9.24	33.15	18.850	5.250
VOL. WGT. MEAN	.	60.96	10.96	8.94	22.17	14.574	2.472
MISSING VALUES	0.0	1	1	0	1	0	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11	11
MAXIMUM	8.125	48.510	38.010	0.735	221.00	30.55	6636.87	1119.77
MINIMUM	0.000	0.000	0.030	0.000	2.55	0.00	22.11	0.00
ARITH. MEAN	2.950	10.370	10.947	0.213	84.86	11.69	933.91	609.40
ARITH. STD. DEV	2.892	14.892	11.605	0.213	71.78	10.71	2144.94	566.42
GEOM. MEAN	1.448	4.290	4.483	0.249	50.87	10.81	231.82	890.66
1ST QUARTILE	0.103	0.750	3.418	0.000	32.34	1.08	106.91	0.00
2ND QUARTILE	2.695	5.250	5.828	0.188	67.75	13.16	236.21	708.42
3RD QUARTILE	5.775	16.250	15.660	0.325	104.00	13.86	364.10	1119.77
VOL. WGT. MEAN	2.950	10.370	10.947	0.213	79.35	12.39	835.11	477.96
MISSING VALUES	0	0	0	0	1	2	2	8

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11.00
MAXIMUM	347.53	6.30	1537.74	144.77	10.68	4672.50	2959.3
MINIMUM	0.00	0.09	14.01	6.40	0.00	52.20	13.10
ARITH. MEAN	119.53	3.63	763.84	53.96	3.38	1655.22	749.25
ARITH. STD. DEV	135.39	1.76	450.07	44.48	3.61	1261.50	849.91
GEOM. MEAN	59.69	2.63	518.39	38.76	3.12	1121.53	411.74
1ST QUARTILE	19.11	2.60	502.83	24.35	0.00	978.00	299.21
2ND QUARTILE	79.60	3.81	727.65	44.45	2.97	1561.50	400.46
3RD QUARTILE	205.66	4.55	911.42	71.45	5.85	1755.00	816.77
VOL. WGT. MEAN	107.52	3.39	714.18	62.83	3.16	1547.62	13.10
MISSING VALUES	3	1	1	3	1	1	1.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - PALMERSTON MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	100.0	320.00	76.19	90.26	53.83	106.400	31.057
MINIMUM	20.1	77.39	10.50	8.40	4.00	23.115	1.407
ARITH. MEAN	55.3	181.81	35.64	30.20	13.95	47.342	7.130
ARITH. STD. DEV	21.7	72.81	19.29	29.17	14.14	23.716	8.690
GEOM. MEAN	51.1	168.66	30.57	21.87	10.15	42.813	4.688
1ST QUARTILE	40.0	135.30	20.70	12.80	6.00	31.500	3.000
2ND QUARTILE	58.1	155.00	31.50	16.70	8.00	41.000	3.850
3RD QUARTILE	61.5	243.00	48.59	34.68	12.00	52.290	5.229
VOL. WGT. MEAN	.	181.81	35.64	28.68	13.95	47.342	7.130
MISSING VALUES	0.0	0	0	1	0	0	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	30.800	19.460	77.000	13.090	799.50	140.78	2141.23	10071.6
MINIMUM	0.875	0.600	2.533	0.000	30.15	8.70	119.83	0.00
ARITH. MEAN	4.344	5.572	36.502	2.194	220.81	29.84	498.53	3454.60
ARITH. STD. DEV	8.029	6.073	18.888	3.834	216.52	36.14	563.31	4118.79
GEOM. MEAN	2.326	3.396	29.754	0.860	155.63	20.85	361.50	5062.77
1ST QUARTILE	1.250	1.400	25.800	0.150	116.00	14.15	217.57	0.00
2ND QUARTILE	2.153	3.600	35.360	0.497	130.00	17.83	346.67	3316.93
3RD QUARTILE	2.768	5.000	40.246	1.230	222.00	23.40	511.52	3884.42
VOL. WGT. MEAN	4.344	5.572	36.502	2.194	220.81	29.84	484.58	3651.92
MISSING VALUES	0	0	0	0	0	0	2	8

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	247.21	39.75	9677.81	129.88	40.58	8660.00	6760.8
MINIMUM	42.96	0.62	830.80	32.79	0.00	327.63	0.90
ARITH. MEAN	143.51	14.11	2863.06	68.36	10.57	3162.10	1856.0
ARITH. STD. DEV	60.10	12.64	2565.25	27.83	12.18	2275.40	1975.5
GEOM. MEAN	129.55	9.06	2180.46	63.63	9.59	2394.30	466.71
1ST QUARTILE	124.00	4.50	1444.77	52.54	2.40	1386.00	177.04
2ND QUARTILE	141.08	12.92	2146.51	63.76	6.00	2890.00	1475.6
3RD QUARTILE	192.96	16.80	2646.32	83.83	18.45	3550.00	2747.7
VOL. WGT. MEAN	143.51	14.11	2863.06	70.26	10.57	3162.10	177.04
MISSING VALUES	0	0	0	3	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - PICKLE LAKE MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	98.0	117.25	17.40	21.44	9.38	64.200	7.035	
MINIMUM	8.9	7.62	2.66	1.31	1.52	1.104	0.109	
ARITH. MEAN	36.9	46.94	9.15	9.89	3.75	15.601	2.727	
ARITH. STD. DEV	27.0	34.55	5.05	6.48	2.82	18.217	2.337	
GEOM. MEAN	29.2	34.51	7.70	7.27	3.06	8.851	1.603	
1ST QUARTILE	20.2	17.41	4.32	2.42	1.92	3.030	0.867	
2ND QUARTILE	22.2	38.40	8.67	9.60	2.36	7.640	2.155	
3RD QUARTILE	60.0	72.18	13.86	14.12	4.73	25.350	4.154	
VOL. WGT. MEAN	.	44.15	8.61	8.82	3.53	15.680	2.565	
MISSING VALUES	0.0	1	1	2	1	2	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	28.810	9.954	45.600	17.755	548.80	42.88	477.13	4750.88
MINIMUM	0.109	0.650	0.444	0.000	23.95	0.00	0.00	0.00
ARITH. MEAN	3.746	2.185	11.254	1.875	183.75	13.44	175.69	2379.14
ARITH. STD. DEV	8.074	2.582	13.608	5.039	182.66	12.44	166.03	2424.95
GEOM. MEAN	1.104	1.545	4.849	0.434	111.61	13.33	148.40	2281.62
1ST QUARTILE	0.392	1.023	1.219	0.083	41.40	4.97	75.00	300.10
2ND QUARTILE	0.942	1.316	6.418	0.226	101.95	10.49	99.44	2382.84
3RD QUARTILE	2.200	1.955	19.404	0.704	342.00	22.22	285.00	4458.18
VOL. WGT. MEAN	3.523	2.055	11.311	1.764	161.93	11.94	156.94	2665.85
MISSING VALUES	1	1	2	1	3	2	4	9
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	139.95	10.72	3937.44	320.53	7.90	2116.80	566.13	
MINIMUM	0.00	0.00	221.53	0.00	0.00	237.00	1.07	
ARITH. MEAN	62.74	3.51	1527.16	82.69	1.21	959.21	168.56	
ARITH. STD. DEV	42.40	3.12	1220.91	102.22	2.70	626.89	196.04	
GEOM. MEAN	60.75	2.82	1089.69	54.87	5.76	781.47	46.35	
1ST QUARTILE	49.61	1.11	560.68	17.99	0.00	472.16	9.89	
2ND QUARTILE	58.99	3.00	1082.91	36.57	0.00	711.08	101.07	
3RD QUARTILE	90.97	4.74	2293.33	131.44	0.00	1499.00	249.82	
VOL. WGT. MEAN	56.23	3.12	1345.77	91.85	1.02	902.15	263.58	
MISSING VALUES	4	2	3	4	3	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - PORT STANLEY MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	105.0	664.40	87.12	54.86	57.92	55.650	12.546
MINIMUM	13.1	32.75	7.00	12.32	5.31	4.454	1.925
ARITH. MEAN	50.7	222.13	38.94	30.97	17.33	28.775	5.891
ARITH. STD. DEV	29.3	163.10	20.48	13.17	15.11	15.661	2.922
GEOM. MEAN	42.9	172.75	32.73	28.32	13.16	23.663	5.271
1ST QUARTILE	28.0	163.20	28.54	21.64	7.06	18.090	4.035
2ND QUARTILE	33.0	181.50	38.40	28.90	12.28	30.400	5.720
3RD QUARTILE	77.0	234.03	44.55	37.68	25.08	35.508	6.288
VOL. WGT. MEAN	.	222.13	38.94	30.04	16.71	28.775	5.891
MISSING VALUES	0.0	0	0	1	1	0	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	18.200	16.170	47.250	3.920	693.00	46.20	976.97	4281.40
MINIMUM	0.369	1.155	1.132	0.192	8.64	0.00	117.87	1886.91
ARITH. MEAN	3.391	5.880	23.383	1.103	233.63	19.56	394.27	3000.22
ARITH. STD. DEV	4.654	5.133	15.799	1.271	182.75	14.46	266.11	1038.39
GEOM. MEAN	2.109	4.078	15.500	0.651	148.90	17.03	319.22	2844.62
1ST QUARTILE	1.440	1.925	14.464	0.270	102.60	8.12	165.47	1911.81
2ND QUARTILE	2.107	3.299	22.656	0.565	222.74	14.02	291.98	3061.57
3RD QUARTILE	2.640	9.195	33.920	0.990	298.59	27.44	600.13	3798.08
VOL. WGT. MEAN	3.391	5.668	23.383	1.103	233.63	19.56	403.10	2894.04
MISSING VALUES	0	1	0	0	0	0	2	7

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	490.91	32.67	7633.76	2270.00	31.30	16544.0	13016
MINIMUM	48.25	3.28	1047.34	21.71	0.00	199.12	0.89
ARITH. MEAN	196.52	14.34	3091.89	306.73	9.07	4650.03	3288.1
ARITH. STD. DEV	124.94	9.76	1736.05	671.79	10.53	4646.13	3709.1
GEOM. MEAN	163.55	11.07	2712.36	87.74	7.26	2400.88	410.64
1ST QUARTILE	101.40	5.13	1944.00	45.20	1.57	714.00	30.70
2ND QUARTILE	188.32	14.27	2702.99	56.17	3.84	4266.00	2948.5
3RD QUARTILE	234.64	19.87	3691.82	124.45	16.50	6803.01	4333.8
VOL. WGT. MEAN	182.63	14.34	3091.89	284.37	9.07	4650.03	2.46
MISSING VALUES	2	0	0	2	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION -PT. PETRE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	120.0	292.98	72.24	35.12	40.20	115.920	5.545
MINIMUM	36.0	39.60	7.60	5.85	2.07	7.600	1.000
ARITH. MEAN	63.9	193.02	41.16	17.43	12.65	36.095	2.767
ARITH. STD. DEV	23.6	82.23	18.83	10.96	10.29	29.397	1.507
GEOM. MEAN	60.3	169.58	35.69	14.45	9.56	28.128	2.382
1ST QUARTILE	46.2	139.00	25.56	9.07	5.72	17.038	1.518
2ND QUARTILE	63.0	203.15	44.68	11.88	10.76	29.483	2.510
3RD QUARTILE	71.0	262.30	52.87	27.69	15.22	42.029	4.089
VOL. WGT. MEAN	.	189.51	40.41	17.11	12.42	35.438	2.716
MISSING VALUES	0.0	1	1	1	1	1	1

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	11.730	20.795	85.560	10.488	300.37	66.00	525.78	2697.55
MINIMUM	0.800	1.035	1.680	0.092	49.20	0.00	97.78	0.00
ARITH. MEAN	3.401	5.434	29.848	1.685	164.57	22.58	336.17	1100.55
ARITH. STD. DEV	3.227	5.544	22.543	2.915	92.62	22.77	161.38	1020.40
GEOM. MEAN	2.473	3.718	21.326	0.647	138.52	20.19	293.86	1549.72
1ST QUARTILE	1.440	1.840	15.031	0.210	72.00	6.40	217.35	0.00
2ND QUARTILE	2.261	3.645	26.315	0.434	156.20	15.75	346.93	1168.59
3RD QUARTILE	3.785	7.245	34.754	1.814	249.40	44.82	482.27	1568.55
VOL. WGT. MEAN	3.339	5.335	29.304	1.655	155.26	21.30	327.36	951.98
MISSING VALUES	1	1	1	1	2	2	7	7

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	255.94	38.40	3680.77	259.19	13.20	8094.00	5682.0
MINIMUM	50.29	4.00	982.83	20.60	0.00	2332.00	868.66
ARITH. MEAN	157.63	20.84	2038.60	87.05	3.34	5068.22	3204.7
ARITH. STD. DEV	69.13	11.87	918.82	84.79	5.16	1762.94	1403.4
GEOM. MEAN	142.15	16.82	1866.51	60.62	8.39	4773.40	2872.8
1ST QUARTILE	118.91	8.20	1314.06	22.19	0.00	3798.91	2698.9
2ND QUARTILE	148.70	26.80	1655.49	53.09	0.00	4740.50	3061.4
3RD QUARTILE	224.82	30.24	2504.66	133.78	7.10	6523.52	3695.3
VOL. WGT. MEAN	146.42	19.66	1923.26	79.36	3.15	4975.88	2548.6
MISSING VALUES	4	2	2	6	2	1	1.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - QUETICO CENTRE MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	112.0	128.80	35.84	31.36	11.59	57.120	5.040	
MINIMUM	13.3	14.76	1.97	1.29	2.00	3.344	0.161	
ARITH. MEAN	47.2	47.82	11.08	8.00	4.56	15.473	1.257	
ARITH. STD. DEV	33.5	37.59	9.21	8.60	3.19	15.884	1.470	
GEOM. MEAN	37.2	35.74	8.37	5.28	3.82	10.145	0.759	
1ST QUARTILE	24.6	16.75	5.12	2.59	2.50	4.382	0.360	
2ND QUARTILE	32.2	33.46	8.46	5.10	3.30	7.786	0.670	
3RD QUARTILE	66.0	69.83	14.54	8.99	5.43	23.316	1.374	
VOL. WGT. MEAN	.	48.24	11.18	8.07	4.59	15.607	1.268	
MISSING VALUES	0.0	1	1	1	1	1	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	4.950	3.328	51.296	1.056	526.40	54.08	1792.70	2660.78
MINIMUM	0.070	0.000	0.000	0.000	40.48	0.00	0.00	0.00
ARITH. MEAN	1.595	2.137	11.635	0.382	175.87	14.18	284.63	1258.45
ARITH. STD. DEV	1.717	1.006	15.092	0.338	162.44	16.23	535.10	1336.21
GEOM. MEAN	0.846	2.224	4.940	0.369	126.76	11.72	155.31	1722.09
1ST QUARTILE	0.547	1.650	1.178	0.157	61.50	3.52	61.76	0.00
2ND QUARTILE	0.785	2.062	3.664	0.298	141.44	7.28	131.57	1114.56
3RD QUARTILE	2.691	2.900	19.342	0.529	194.30	24.42	222.00	2660.78
VOL. WGT. MEAN	1.609	2.096	11.736	0.385	166.55	13.43	299.78	1421.90
MISSING VALUES	1	2	1	1	2	2	3	10
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FRESH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	137.42	35.42	3664.04	136.28	21.07	2750.00	1096.5	
MINIMUM	38.26	0.70	549.01	0.00	0.00	512.16	2.80	
ARITH. MEAN	105.98	6.37	1610.01	47.29	6.38	1356.75	372.07	
ARITH. STD. DEV	36.21	10.07	1020.38	42.43	6.22	845.01	307.67	
GEOM. MEAN	98.55	3.09	1338.97	43.57	6.13	1134.40	215.60	
1ST QUARTILE	87.16	1.03	792.14	20.62	2.21	688.15	151.63	
2ND QUARTILE	112.01	2.52	1213.06	39.16	3.92	1016.35	292.03	
3RD QUARTILE	136.56	7.07	2487.74	61.21	10.40	2002.83	583.17	
VOL. WGT. MEAN	86.06	6.03	1524.74	38.08	6.04	1368.47	592.10	
MISSING VALUES	6	2	2	5	2	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION _ _ _SHALLOW LAKE MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	11.0	11	11	11	11	11	11	
MAXIMUM	160.5	394.80	78.65	49.76	22.47	65.805	10.433	
MINIMUM	0.8	99.91	18.62	6.02	2.28	16.720	1.140	
ARITH. MEAN	68.9	202.21	43.70	23.56	9.50	37.246	4.062	
ARITH. STD. DEV	47.8	89.34	18.65	15.64	6.32	16.507	2.874	
GEOM. MEAN	43.9	187.04	40.20	18.57	7.71	34.027	3.263	
1ST QUARTILE	39.7	144.91	31.79	12.72	5.20	24.940	1.987	
2ND QUARTILE	48.0	167.70	39.84	21.36	7.55	36.400	3.600	
3RD QUARTILE	93.5	248.78	51.68	29.92	12.40	43.940	5.040	
VOL. WGT. MEAN	.	203.55	43.98	23.71	9.56	37.491	4.088	
MISSING VALUES	0.0	2	2	2	2	2	2	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11	11
MAXIMUM	5.618	11.235	67.089	1.028	418.84	43.68	974.29	3511.02
MINIMUM	0.570	0.430	16.948	0.000	41.80	4.18	121.44	0.00
ARITH. MEAN	2.304	3.628	34.898	0.285	201.72	21.80	427.23	1351.10
ARITH. STD. DEV	1.549	3.481	16.244	0.345	132.03	12.04	295.09	1718.97
GEOM. MEAN	1.890	2.245	31.818	0.254	157.95	18.12	342.34	2384.15
1ST QUARTILE	1.378	0.760	23.478	0.079	112.00	15.48	181.43	0.00
2ND QUARTILE	1.400	2.640	33.620	0.160	158.47	22.05	371.19	553.06
3RD QUARTILE	2.940	5.609	34.464	0.288	302.40	27.28	608.43	3489.48
VOL. WGT. MEAN	2.319	3.652	35.128	0.287	203.05	21.94	408.64	1203.67
MISSING VALUES	2	2	2	2	2	2	3	5
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEN+ LAB UG/M**2	
# OF SAMPLES	11	11	11	11	11	11	11.00	
MAXIMUM	240.04	28.89	3848.91	197.15	14.45	9408.00	7316.1	
MINIMUM	99.68	6.08	532.64	28.03	0.00	3294.60	1998.8	
ARITH. MEAN	162.00	15.21	1651.08	84.17	6.58	4965.89	3448.1	
ARITH. STD. DEV	58.11	8.29	1194.82	58.42	6.51	2117.88	1747.0	
GEOM. MEAN	152.98	13.14	1351.36	69.04	8.08	4641.61	3133.7	
1ST QUARTILE	107.58	8.16	976.09	39.47	0.00	3403.20	2134.2	
2ND QUARTILE	149.19	15.16	1308.54	75.42	3.84	4058.21	2680.5	
3RD QUARTILE	221.36	20.57	1444.55	108.57	13.44	5440.00	4488.1	
VOL. WGT. MEAN	154.48	15.31	1661.97	81.35	6.63	4998.65	2680.5	
MISSING VALUES	3	2	2	4	2	2	2.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - SMITHS FALLS MIC TYPE A SITE NO.1								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	147.0	426.30	122.01	91.14	35.28	77.910	18.375	
MINIMUM	32.0	78.40	21.08	12.60	2.70	12.061	2.475	
ARITH. MEAN	62.0	184.90	40.21	26.37	9.94	27.806	5.919	
ARITH. STD. DEV	29.5	91.84	27.34	21.13	8.92	17.834	4.191	
GEOM. MEAN	57.2	167.31	35.27	22.52	7.61	24.338	5.111	
1ST QUARTILE	45.0	121.85	24.62	17.48	4.43	18.680	3.505	
2ND QUARTILE	51.0	182.93	35.80	19.94	7.13	22.385	5.123	
3RD QUARTILE	73.0	215.63	42.33	23.95	12.30	29.995	6.304	
VOL. WGT. MEAN	.	180.19	39.18	25.70	9.68	27.097	5.768	
MISSING VALUES	0.0	1	1	1	1	1	1	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	5.145	16.905	72.324	1.176	617.40	56.10	990.70	3241.16
MINIMUM	0.900	0.450	1.650	0.090	121.50	0.00	243.95	0.00
ARITH. MEAN	1.950	4.508	23.968	0.381	260.93	15.27	457.73	1470.34
ARITH. STD. DEV	1.262	4.725	17.521	0.280	148.29	17.58	248.73	1106.41
GEOM. MEAN	1.669	2.834	18.345	0.313	232.81	23.05	412.89	1579.95
1ST QUARTILE	1.050	1.473	15.664	0.198	173.20	0.00	298.15	839.11
2ND QUARTILE	1.538	2.138	19.095	0.337	203.45	13.46	378.93	1397.61
3RD QUARTILE	2.437	6.320	27.593	0.426	280.71	23.71	536.50	1946.53
VOL. WGT. MEAN	1.900	4.393	23.357	0.371	254.28	14.88	403.26	1243.12
MISSING VALUES	1	1	1	1	1	1	5	7
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	3336.19	58.80	5493.23	110.25	16.50	7805.70	4867.6	
MINIMUM	129.94	7.20	744.83	0.00	0.00	2707.20	1356.8	
ARITH. MEAN	447.26	22.60	2379.00	50.74	6.20	4262.99	2676.0	
ARITH. STD. DEV	911.58	14.83	1432.12	36.46	5.07	1465.91	1097.1	
GEOM. MEAN	227.12	19.14	2026.48	60.98	6.42	4058.40	2482.3	
1ST QUARTILE	153.56	13.28	1325.86	34.11	3.29	2906.90	1770.0	
2ND QUARTILE	171.75	16.62	2106.03	55.74	5.65	4071.25	2462.4	
3RD QUARTILE	211.97	27.78	2920.07	77.87	7.43	5072.25	3378.8	
VOL. WGT. MEAN	435.86	22.02	2318.32	45.20	6.04	4154.28	.	
MISSING VALUES	1	1	1	4	1	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION _ _ _ SUTTON MIC TYPE A SITE NO.1 _ _ _ _ _								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	130.2	346.75	64.50	18.31	25.65	45.511	3.325	
MINIMUM	6.0	14.40	3.24	0.72	0.48	1.740	0.090	
ARITH. MEAN	73.1	144.85	29.64	9.92	9.44	26.613	1.438	
ARITH. STD. DEV	31.3	102.95	18.02	4.44	7.30	15.776	0.903	
GEOM. MEAN	61.5	105.69	23.54	8.15	6.52	18.614	1.086	
1ST QUARTILE	61.9	88.49	16.47	7.24	3.91	14.237	0.905	
2ND QUARTILE	80.5	124.60	28.06	9.66	7.24	33.814	1.302	
3RD QUARTILE	90.5	195.35	46.88	12.64	15.48	36.490	1.720	
VOL. WGT. MEAN	.	145.45	29.76	9.96	9.47	27.341	1.444	
MISSING VALUES	0.0	2	2	2	2	4	2	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	40.850	24.848	233.700	27.550	302.60	91.20	1175.42	19760.2
MINIMUM	0.000	0.150	1.824	0.000	11.40	0.00	186.30	73.40
ARITH. MEAN	5.616	5.835	38.617	3.304	166.88	29.54	431.34	5290.10
ARITH. STD. DEV	11.865	7.233	65.407	8.569	97.51	34.13	344.69	8318.32
GEOM. MEAN	2.072	2.908	18.875	0.469	126.64	18.11	355.27	1309.47
1ST QUARTILE	0.905	1.358	13.123	0.099	99.04	4.28	238.18	437.08
2ND QUARTILE	1.857	3.405	23.496	0.257	141.60	12.51	323.97	1226.08
3RD QUARTILE	3.477	6.020	28.340	0.979	266.00	53.32	510.61	4953.82
VOL. WGT. MEAN	5.639	5.859	38.777	3.285	165.88	29.36	361.57	6258.15
MISSING VALUES	2	2	2	3	3	3	6	8
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	221.69	69.66	3529.62	206.69	18.05	7566.36	4726.1	
MINIMUM	15.48	3.90	115.28	29.21	0.00	465.00	9.28	
ARITH. MEAN	133.03	25.54	1604.42	90.24	4.84	3874.77	2140.5	
ARITH. STD. DEV	57.38	19.06	1178.17	74.62	7.84	2559.43	1853.0	
GEOM. MEAN	112.03	19.52	1153.70	68.69	6.76	2977.10	981.89	
1ST QUARTILE	107.08	11.85	835.33	40.75	0.00	1984.79	437.31	
2ND QUARTILE	143.30	22.47	1168.82	51.61	0.00	2986.92	1399.1	
3RD QUARTILE	151.70	35.15	2766.58	161.54	12.04	7060.60	4118.2	
VOL. WGT. MEAN	124.59	25.39	1594.85	78.48	4.81	3890.82	886.32	
MISSING VALUES	4	3	3	7	3	2	2.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - - - - - TURKEY LAKES MIC TYPE A SITE NO.1 - - - - -								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	195.0	380.25	91.65	38.26	13.65	88.367	7.840	
MINIMUM	20.2	56.80	14.31	2.94	1.06	14.651	0.710	
ARITH. MEAN	85.9	185.25	41.31	16.39	7.56	41.900	2.621	
ARITH. STD. DEV	41.5	101.17	22.64	11.80	3.98	26.106	2.106	
GEOM. MEAN	76.5	159.56	35.67	12.58	6.19	34.696	2.044	
1ST QUARTILE	63.7	92.37	26.52	8.16	5.10	23.030	1.526	
2ND QUARTILE	86.7	159.25	36.92	12.20	7.64	32.079	1.734	
3RD QUARTILE	101.7	244.80	58.24	27.30	10.08	60.180	2.925	
VOL. WGT. MEAN	.	185.25	41.31	16.39	7.56	41.900	2.621	
MISSING VALUES	0.0	0	0	0	0	0	0	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	6.320	7.840	94.380	1.027	553.00	45.95	2077.78	17245.8
MINIMUM	0.735	0.490	12.922	0.000	53.90	0.00	96.79	0.00
ARITH. MEAN	2.601	3.236	39.984	0.414	223.01	18.58	477.93	5410.82
ARITH. STD. DEV	2.085	2.028	26.772	0.343	143.34	15.49	528.99	6452.55
GEOM. MEAN	1.961	2.572	32.654	0.402	184.67	20.75	342.39	3812.04
1ST QUARTILE	1.065	1.717	22.578	0.203	116.60	6.36	228.47	1052.79
2ND QUARTILE	1.380	3.189	26.849	0.283	183.06	14.34	352.27	1828.20
3RD QUARTILE	3.920	4.335	53.856	0.520	336.00	29.23	456.65	11297.0
VOL. WGT. MEAN	2.601	3.236	39.984	0.414	223.01	18.58	461.41	6320.74
MISSING VALUES	0	0	0	0	0	0	1	6
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	515.30	22.54	4483.34	185.09	17.29	10983.6	4898.2	
MINIMUM	82.57	3.43	672.61	15.00	0.00	2475.10	740.49	
ARITH. MEAN	218.42	11.55	2223.46	67.87	7.75	5460.41	2806.3	
ARITH. STD. DEV	123.08	6.11	1106.41	50.56	6.31	2521.78	1195.1	
GEOM. MEAN	192.54	9.99	1945.59	54.13	8.78	4983.96	2528.3	
1ST QUARTILE	127.93	7.36	1630.02	32.24	2.94	3610.05	2187.8	
2ND QUARTILE	185.67	10.93	1795.22	53.93	7.10	4791.50	2593.2	
3RD QUARTILE	245.91	15.01	2987.10	76.79	11.22	7013.70	3696.8	
VOL. WGT. MEAN	218.42	11.55	2223.46	75.40	7.75	5133.26	2144.2	
MISSING VALUES	0	0	0	2	0	1	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - UXBRIDGE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	127.2	323.10	61.32	74.80	64.80	56.866	9.122
MINIMUM	23.8	47.04	10.58	5.88	3.24	9.990	0.882
ARITH. MEAN	63.7	187.60	40.55	38.32	21.84	29.629	4.350
ARITH. STD. DEV	31.6	100.07	17.10	21.20	20.80	13.743	2.464
GEOM. MEAN	56.5	156.98	36.06	30.86	13.92	26.324	3.553
1ST QUARTILE	50.7	91.80	32.40	22.58	6.49	19.516	2.258
2ND QUARTILE	58.8	200.19	40.25	41.41	12.65	31.356	4.760
3RD QUARTILE	75.3	279.82	58.51	54.28	34.00	38.393	5.535
VOL. WGT. MEAN	.	187.60	40.55	38.32	21.84	29.629	4.350
MISSING VALUES	0.0	0	0	0	0	0	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	3.877	36.990	52.213	2.720	1020.06	43.90	910.68	18187.6
MINIMUM	0.675	0.588	5.724	0.000	54.00	0.00	96.89	431.20
ARITH. MEAN	1.776	11.037	25.464	0.501	333.87	23.50	402.27	4022.29
ARITH. STD. DEV	0.840	13.180	14.404	0.727	254.70	13.51	205.52	5311.24
GEOM. MEAN	1.613	4.583	20.823	0.426	253.73	22.18	355.58	2374.44
1ST QUARTILE	1.309	1.350	12.852	0.130	165.62	12.57	325.58	1356.44
2ND QUARTILE	1.571	3.877	29.900	0.251	292.05	28.75	361.23	1917.66
3RD QUARTILE	1.947	19.268	34.027	0.523	405.44	35.14	477.83	3315.27
VOL. WGT. MEAN	1.776	11.037	25.464	0.501	333.87	23.50	388.38	4333.13
MISSING VALUES	0	0	0	0	0	0	2	3

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREER+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	378.51	34.34	15207.7	1678.21	17.81	7102.05	5710.6
MINIMUM	94.41	2.94	546.82	16.32	0.00	432.00	16.65
ARITH. MEAN	263.24	13.84	3612.52	218.75	5.31	4098.22	2465.8
ARITH. STD. DEV	105.53	9.74	3859.63	486.28	6.20	2479.19	1947.3
GEOM. MEAN	241.10	10.80	2439.18	81.93	6.81	3028.42	957.15
1ST QUARTILE	168.12	5.95	1289.97	46.74	0.00	2269.68	134.70
2ND QUARTILE	255.51	10.06	3167.56	62.38	4.05	4447.33	2742.6
3RD QUARTILE	369.72	19.26	3319.23	98.38	6.59	6539.54	3761.0
VOL. WGT. MEAN	235.79	13.84	3612.52	222.18	5.31	4098.22	16.65
MISSING VALUES	3	0	0	2	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -WATERLOO MIC TYPE A SITE NO.1 - - - - -								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	122.2	374.40	71.27	118.00	37.00	112.100	15.045	
MINIMUM	24.5	55.13	19.43	11.96	4.60	18.850	2.610	
ARITH. MEAN	54.2	201.32	38.30	37.07	14.72	43.626	6.128	
ARITH. STD. DEV	31.1	93.79	16.07	29.75	9.86	27.336	3.534	
GEOM. MEAN	48.1	179.29	35.58	30.23	12.09	37.630	5.395	
1ST QUARTILE	35.0	129.48	27.20	21.00	6.91	24.242	3.675	
2ND QUARTILE	46.0	183.38	32.86	28.69	12.63	34.793	5.265	
3RD QUARTILE	59.0	277.20	48.38	37.88	18.54	54.932	7.718	
VOL. WGT. MEAN	.	198.80	37.82	35.51	14.54	43.081	5.870	
MISSING VALUES	0.0	1	1	2	1	1	2	
	POTASSIUM	SODIUM	AMMONIUM AS N	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON
	MG/M**2	MG/M**2	MG/M**2	MG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	5.250	18.987	66.222	1.273	763.56	69.99	1068.93	7878.77
MINIMUM	0.725	0.920	15.101	0.000	81.20	7.54	128.45	726.40
ARITH. MEAN	2.666	6.488	32.209	0.551	305.58	26.21	439.92	3241.75
ARITH. STD. DEV	1.734	5.732	17.218	0.382	199.10	16.41	259.68	2864.96
GEOM. MEAN	2.136	4.301	28.379	0.514	253.21	22.35	384.53	2270.82
1ST QUARTILE	1.120	1.750	16.807	0.367	166.00	14.22	317.22	961.03
2ND QUARTILE	2.178	5.290	29.312	0.513	261.20	26.29	417.66	2171.80
3RD QUARTILE	4.655	9.244	49.369	0.711	392.15	30.25	452.61	5540.71
VOL. WGT. MEAN	2.651	6.407	32.023	0.530	301.77	25.88	486.70	3491.96
MISSING VALUES	2	1	2	3	1	1	4	7
	LEAD	VANADIUM	ALUMINIUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB	
	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	265.35	62.99	10992.7	233.89	18.45	8775.00	5863.9	
MINIMUM	46.56	4.93	699.50	28.65	0.00	575.75	5.75	
ARITH. MEAN	122.35	19.47	2616.03	63.43	6.89	3746.51	2221.2	
ARITH. STD. DEV	69.30	16.05	2790.18	61.22	5.28	2751.13	2095.5	
GEOM. MEAN	105.52	15.27	1904.73	50.66	6.04	2722.49	757.22	
1ST QUARTILE	65.91	9.61	1009.42	34.13	2.96	1541.68	321.51	
2ND QUARTILE	103.09	13.69	2046.52	43.34	6.42	2802.85	1801.2	
3RD QUARTILE	169.65	24.22	2773.18	62.65	9.28	5915.00	4174.6	
VOL. WGT. MEAN	120.82	19.23	2583.36	72.70	6.80	3699.71	86.93	
MISSING VALUES	1	1	1	3	1	1	1.00	

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ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION _ _ _ WHITNEY MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	11.0	11	11	11	11	11	11
MAXIMUM	115.0	402.50	45.84	16.67	12.50	47.750	2.640
MINIMUM	16.0	11.20	9.72	2.36	0.59	2.560	0.480
ARITH. MEAN	58.7	136.79	28.28	8.84	5.56	22.443	1.304
ARITH. STD. DEV	28.1	106.63	13.97	4.90	3.71	14.004	0.663
GEOM. MEAN	51.4	102.50	24.55	7.54	4.19	17.523	1.157
1ST QUARTILE	27.0	82.91	13.75	4.80	2.43	9.990	0.800
2ND QUARTILE	63.8	101.45	33.82	6.76	5.64	19.140	1.150
3RD QUARTILE	69.5	143.43	40.25	13.66	8.05	33.350	1.913
VOL. WGT. MEAN	.	136.79	28.28	8.84	5.56	22.443	1.304
MISSING VALUES	0.0	0	0	0	0	0	0

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11	11
MAXIMUM	3.375	4.514	39.360	1.350	363.00	79.20	463.50	8514.58
MINIMUM	0.160	0.590	1.600	0.000	36.80	0.00	98.66	0.00
ARITH. MEAN	1.416	1.913	17.291	0.370	144.77	19.02	216.99	2128.65
ARITH. STD. DEV	1.051	1.462	10.709	0.396	115.73	22.94	113.37	4257.29
GEOM. MEAN	1.055	1.467	13.563	0.313	107.86	12.69	195.97	8514.58
1ST QUARTILE	0.638	0.675	9.828	0.032	59.40	4.32	148.52	0.00
2ND QUARTILE	1.150	1.127	17.085	0.255	84.54	8.45	193.63	0.00
3RD QUARTILE	2.400	3.600	19.670	0.486	266.37	29.17	244.72	4257.29
VOL. WGT. MEAN	1.416	1.913	17.291	0.370	144.77	19.02	232.40	2181.01
MISSING VALUES	0	0	0	0	0	0	3	7

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	11	11	11	11	11	11	11.00
MAXIMUM	250.61	30.05	10438.3	72.80	14.34	10810.0	7956.1
MINIMUM	72.59	2.40	588.26	28.15	0.00	1129.60	820.58
ARITH. MEAN	140.83	12.03	2271.57	49.97	3.92	4330.58	2790.9
ARITH. STD. DEV	60.37	8.73	2856.19	13.67	5.72	2805.68	2161.2
GEOM. MEAN	129.94	9.21	1485.29	48.27	10.38	3569.90	2187.5
1ST QUARTILE	95.95	4.25	699.33	43.41	0.00	1782.00	1003.1
2ND QUARTILE	109.88	11.84	1306.33	49.37	0.00	4119.92	2404.2
3RD QUARTILE	177.38	13.60	2246.53	58.37	9.24	4944.84	3102.2
VOL. WGT. MEAN	123.03	12.03	2271.57	44.98	3.92	4330.58	820.58
MISSING VALUES	2	0	0	4	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - WILBERFORCE MIC TYPE A SITE NO.1

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	13.0	13	13	13	13	13	13
MAXIMUM	137.0	427.35	79.31	40.04	30.14	149.330	5.500
MINIMUM	19.0	73.80	8.20	4.20	3.25	14.300	0.820
ARITH. MEAN	69.0	210.78	40.22	19.37	11.81	41.117	2.491
ARITH. STD. DEV	30.5	101.93	20.38	13.47	8.47	37.937	1.700
GEOM. MEAN	62.6	187.98	34.45	14.74	9.37	31.649	1.995
1ST QUARTILE	55.0	148.40	24.30	7.87	5.40	18.620	1.065
2ND QUARTILE	60.0	182.00	40.80	14.52	8.48	28.320	1.890
3RD QUARTILE	77.0	280.00	51.15	33.03	17.67	50.110	4.023
VOL. WGT. MEAN	.	210.78	40.22	18.26	11.81	38.775	2.349
MISSING VALUES	0.0	0	0	1	0	1	1

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	8.905	16.440	101.460	0.900	546.70	228.00	2060.33	30127.6
MINIMUM	0.560	0.410	12.740	0.000	66.50	6.56	116.69	0.00
ARITH. MEAN	2.486	4.714	35.765	0.370	221.77	46.40	668.04	10461.9
ARITH. STD. DEV	2.429	5.384	25.339	0.297	143.86	58.06	634.49	17042.6
GEOM. MEAN	1.749	2.589	29.170	0.375	179.61	30.14	464.90	6156.79
1ST QUARTILE	0.935	1.155	16.416	0.165	86.40	16.96	234.22	0.00
2ND QUARTILE	1.362	2.080	29.160	0.317	214.50	25.00	405.68	1258.19
3RD QUARTILE	3.780	6.155	50.974	0.558	307.40	44.24	886.55	30127.6
VOL. WGT. MEAN	2.344	4.445	35.765	0.349	221.77	46.40	665.15	8732.33
MISSING VALUES	1	1	0	1	0	0	3	10

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FRESH+ LAB UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13.00
MAXIMUM	592.38	84.70	8635.88	1521.30	98.80	9394.00	6258.8
MINIMUM	99.27	3.28	751.64	23.58	0.00	0.00	0.20
ARITH. MEAN	244.76	24.62	2963.21	238.61	22.84	5198.75	3532.5
ARITH. STD. DEV	137.44	21.88	2375.61	483.50	30.73	2449.88	1859.1
GEOM. MEAN	216.83	17.99	2265.15	92.03	21.23	5211.27	1577.3
1ST QUARTILE	142.61	9.75	1165.07	50.72	0.00	4598.00	2953.7
2ND QUARTILE	230.58	20.16	1995.30	74.53	16.53	5814.00	3699.6
3RD QUARTILE	290.14	23.29	3373.79	95.57	21.60	6251.00	4812.8
VOL. WGT. MEAN	238.17	24.62	2963.21	267.95	22.84	5198.75	0.20
MISSING VALUES	2	0	0	4	0	0	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

STATION - -WILKESPORT MIC TYPE A SITE NO.1 - -								
	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	191.0	754.45	99.32	65.44	53.20	74.260	9.842	
MINIMUM	16.0	47.31	18.40	12.74	4.90	15.996	1.960	
ARITH. MEAN	65.0	274.51	44.51	32.27	18.63	46.558	5.829	
ARITH. STD. DEV	48.5	196.58	24.42	14.12	13.63	22.366	2.236	
GEOM. MEAN	52.2	216.56	38.75	29.69	15.08	40.954	5.376	
1ST QUARTILE	37.2	112.00	20.09	26.74	11.06	23.995	4.896	
2ND QUARTILE	49.0	237.00	47.40	30.67	14.88	50.239	5.828	
3RD QUARTILE	79.0	385.40	50.56	36.96	22.53	66.705	7.520	
VOL. WGT. MEAN	.	264.90	42.95	29.19	17.98	45.515	5.274	
MISSING VALUES	0.0	2	2	3	2	1	3	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	9.240	25.536	67.614	1.343	425.60	135.66	927.01	4399.59
MINIMUM	1.280	0.735	12.946	0.112	78.40	9.80	243.80	1697.69
ARITH. MEAN	3.925	6.880	38.975	0.612	236.68	54.72	643.20	2617.65
ARITH. STD. DEV	2.289	7.526	21.061	0.419	109.61	37.03	230.53	1235.43
GEOM. MEAN	3.411	4.188	33.173	0.460	211.30	44.02	598.91	2432.64
1ST QUARTILE	2.261	1.580	20.269	0.226	126.40	35.71	519.03	1789.80
2ND QUARTILE	3.225	5.188	41.554	0.582	260.70	40.29	628.00	2186.65
3RD QUARTILE	4.775	6.685	55.814	0.876	287.64	91.80	840.36	3445.49
VOL. WGT. MEAN	3.551	6.225	37.610	0.598	228.39	52.81	520.36	1699.67
MISSING VALUES	3	3	2	1	2	2	5	9
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	444.59	38.30	5431.85	240.50	67.32	20055.0	17023	
MINIMUM	107.88	10.27	2003.13	48.47	0.00	630.40	82.25	
ARITH. MEAN	221.83	24.46	3189.19	120.01	15.45	5709.60	3958.8	
ARITH. STD. DEV	99.16	9.62	1101.99	71.72	20.46	5468.73	4840.0	
GEOM. MEAN	204.63	22.38	3039.44	102.10	13.22	3825.05	1716.3	
1ST QUARTILE	148.65	13.03	2431.12	62.80	6.37	2280.36	683.73	
2ND QUARTILE	207.09	24.00	2896.51	97.37	7.89	4131.00	2885.3	
3RD QUARTILE	253.36	30.88	3637.96	175.37	13.76	7003.00	5153.4	
VOL. WGT. MEAN	208.40	23.60	2804.27	98.72	14.06	5265.32	.	
MISSING VALUES	3	2	4	5	3	2	2.00	

PART VI

SUMMARY STATISTICS OF WET DEPOSITION BY REGION

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

REGCODE=CE

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MC/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	64.0	64	64	64	64	64	64
MAXIMUM	199.0	447.75	103.48	99.00	64.80	149.330	11.880
MINIMUM	7.0	15.05	3.43	2.94	0.84	3.290	0.455
ARITH. MEAN	67.5	186.12	38.96	26.05	13.30	33.024	3.263
ARITH. STD. DEV	33.3	102.09	20.06	21.24	12.16	23.363	2.419
GEOM. MEAN	59.7	155.27	33.50	18.76	9.75	27.245	2.503
1ST QUARTILE	48.0	110.50	24.38	9.82	5.88	17.980	1.420
2ND QUARTILE	62.0	172.46	36.45	20.76	9.84	28.750	2.490
3RD QUARTILE	80.1	235.75	51.15	35.13	16.59	38.113	4.738
VOL. WGT. MEAN	.	186.29	38.99	25.77	13.31	32.591	3.227
MISSING VALUES	0.0	3	3	4	3	7	4

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	64	64	64	64	64	64	64	64
MAXIMUM	58.320	36.990	101.460	57.915	1020.06	228.00	2060.33	30127.6
MINIMUM	0.230	0.210	2.632	0.000	45.58	0.00	41.41	0.00
ARITH. MEAN	4.176	5.739	28.375	1.812	227.65	27.69	439.20	4555.20
ARITH. STD. DEV	9.708	7.689	17.774	7.902	174.66	31.36	375.14	6831.20
GEOM. MEAN	1.853	3.002	23.314	0.464	178.04	22.70	342.95	2707.14
1ST QUARTILE	0.913	1.420	13.826	0.168	103.20	11.88	234.22	1121.73
2ND QUARTILE	1.572	3.041	26.532	0.360	179.80	22.64	383.53	1860.48
3RD QUARTILE	3.180	6.107	34.604	0.597	292.05	32.39	464.85	3685.10
VOL. WGT. MEAN	4.130	5.676	28.356	1.791	227.85	27.71	427.04	4870.19
MISSING VALUES	4	4	6	5	3	3	14	36

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	64	64	64	64	64	64	64.00
MAXIMUM	592.38	84.70	15701.3	1678.21	98.80	11900.2	8106.9
MINIMUM	18.93	0.98	546.82	0.00	0.00	0.00	0.20
ARITH. MEAN	189.66	17.29	2789.36	144.19	10.10	4363.63	2723.9
ARITH. STD. DEV	101.97	13.37	2927.36	317.26	16.65	2443.11	1893.7
GEOM. MEAN	165.18	13.44	2008.84	79.05	10.60	3617.73	1187.9
1ST QUARTILE	123.14	8.28	1157.51	47.83	0.00	2269.68	1182.4
2ND QUARTILE	166.78	14.40	1937.96	72.83	5.94	4447.33	2743.9
3RD QUARTILE	230.58	22.56	3208.74	101.09	13.60	6210.00	3924.8
VOL. WGT. MEAN	179.39	17.31	2791.91	145.40	10.11	4367.62	695.65
MISSING VALUES	13	3	3	18	3	3	3.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

REGCODE=NE

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	119.0	119	119	119	119	119	119
MAXIMUM	195.0	436.80	91.65	60.80	117.04	113.360	15.600
MINIMUM	3.0	1.05	0.54	0.00	0.59	0.210	0.000
ARITH. MEAN	58.6	131.53	27.14	11.26	8.53	24.644	1.941
ARITH. STD. DEV	33.8	96.69	17.44	9.85	12.89	20.684	2.143
GEOM. MEAN	48.8	94.35	20.98	8.19	5.19	16.980	1.296
1ST QUARTILE	35.4	57.73	12.99	4.72	2.68	10.891	0.740
2ND QUARTILE	55.0	103.46	24.73	8.76	5.46	18.052	1.400
3RD QUARTILE	75.0	183.49	39.23	15.80	9.57	32.780	2.307
VOL. WGT. MEAN	.	130.48	26.93	11.17	8.46	24.683	1.938
MISSING VALUES	0.0	3	3	3	3	3	2

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	119	119	119	119	119	119	119	119
MAXIMUM	103.200	48.510	94.380	59.200	673.40	83.60	6636.87	17245.8
MINIMUM	0.000	0.000	0.000	0.000	1.54	0.00	22.11	0.00
ARITH. MEAN	2.996	3.965	20.657	0.993	150.59	20.62	405.48	2518.13
ARITH. STD. DEV	9.711	6.760	17.949	5.522	118.56	19.21	757.47	3601.05
GEOM. MEAN	1.472	2.183	13.456	0.340	106.28	17.02	258.52	2282.45
1ST QUARTILE	0.740	1.040	8.723	0.111	62.90	7.82	155.77	0.00
2ND QUARTILE	1.362	1.977	15.373	0.257	111.80	14.33	260.14	1488.50
3RD QUARTILE	2.863	4.141	27.237	0.474	202.40	29.01	392.80	3311.17
VOL. WGT. MEAN	2.998	3.959	20.690	0.998	148.95	20.54	370.80	2561.57
MISSING VALUES	4	2	3	3	4	5	34	60

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	119	119	119	119	119	119	119.00
MAXIMUM	515.30	37.29	12352.4	260.71	22.18	10983.6	7956.1
MINIMUM	0.00	0.09	14.01	6.40	0.00	52.20	0.37
ARITH. MEAN	143.72	9.52	1849.02	84.21	6.24	3645.07	2115.1
ARITH. STD. DEV	85.39	7.38	1725.56	59.12	5.59	2261.75	1499.8
GEOM. MEAN	122.72	7.08	1362.25	66.88	7.08	2840.53	1343.0
1ST QUARTILE	81.78	4.24	863.75	44.43	0.00	1836.00	866.84
2ND QUARTILE	133.09	7.38	1485.28	62.16	5.88	3397.30	1980.3
3RD QUARTILE	183.86	12.75	2246.53	111.02	9.48	4738.00	2933.1
VOL. WGT. MEAN	134.30	9.42	1828.84	81.40	6.17	3571.19	13.10
MISSING VALUES	25	4	4	37	4	6	5.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

REGCODE=NW

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2
# OF SAMPLES	89.0	89	89	89	89	89	89
MAXIMUM	128.0	202.50	37.80	37.80	14.40	68.340	7.035
MINIMUM	8.5	6.96	0.65	0.70	0.27	1.104	0.000
ARITH. MEAN	43.0	52.77	11.37	8.89	3.93	18.212	1.715
ARITH. STD. DEV	30.6	43.68	7.73	7.72	2.97	17.468	1.679
GEOM. MEAN	33.5	37.21	8.89	6.09	2.99	11.054	1.040
1ST QUARTILE	18.7	17.57	5.02	3.07	1.93	4.366	0.425
2ND QUARTILE	32.2	36.27	9.38	6.95	3.00	9.711	1.153
3RD QUARTILE	60.0	76.65	15.12	10.92	4.90	27.040	2.400
VOL. WGT. MEAN	.	52.42	11.30	8.74	3.91	18.208	1.698
MISSING VALUES	0.0	2	2	4	2	3	3

	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	89	89	89	89	89	89	89	89
MAXIMUM	28.810	9.954	54.900	17.755	576.00	81.25	1792.70	12020.2
MINIMUM	0.000	0.000	0.000	0.000	13.05	0.00	0.00	0.00
ARITH. MEAN	2.110	2.246	13.333	0.680	171.41	14.22	184.39	2145.39
ARITH. STD. DEV	3.750	1.571	14.110	1.956	147.33	15.23	238.40	2800.37
GEOM. MEAN	0.979	1.856	6.944	0.347	115.29	12.48	142.06	2307.27
1ST QUARTILE	0.354	1.146	1.606	0.143	56.76	3.52	75.00	0.00
2ND QUARTILE	0.816	1.968	8.382	0.329	113.50	10.49	131.21	1114.56
3RD QUARTILE	2.000	2.951	20.600	0.558	244.80	20.80	235.83	3311.26
VOL. WGT. MEAN	2.090	2.218	13.329	0.676	164.38	13.66	171.58	2370.85
MISSING VALUES	3	4	3	2	7	6	28	54

	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINIUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2
# OF SAMPLES	89	89	89	89	89	89	89.00
MAXIMUM	246.26	35.42	6445.82	320.53	21.07	4569.60	2131.1
MINIMUM	0.00	0.00	164.33	0.00	0.00	237.00	1.07
ARITH. MEAN	77.58	3.96	1433.59	50.32	3.96	1308.61	380.18
ARITH. STD. DEV	53.88	4.85	1205.43	60.75	4.95	922.49	412.96
GEOM. MEAN	69.97	2.61	1082.89	46.58	5.36	1033.49	186.66
1ST QUARTILE	40.29	1.13	659.23	9.73	0.00	619.08	123.05
2ND QUARTILE	66.06	2.43	1026.58	32.90	2.21	1002.67	239.45
3RD QUARTILE	96.51	5.35	1765.44	67.36	6.12	1869.00	512.42
VOL. WGT. MEAN	71.49	3.81	1360.77	44.90	3.77	1296.16	217.02
MISSING VALUES	29	6	9	41	8	3	3.00

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

REGCODE=SE

	EQUIVALENT PREC. DEPTH	SULFATE	NITRATE	CALCIUM	CHLORIDE	KJELDAHL	MAGNESIUM	
	MM	MG/M**2	AS N MG/M**2	MG/M**2	MG/M**2	AS N MG/M**2	MG/M**2	
# OF SAMPLES	: 65.0	65	65	65	65	65	65	
MAXIMUM	: 147.0	507.00	122.01	91.14	40.20	115.920	18.375	
MINIMUM	: 1.7	13.50	6.90	2.72	0.58	3.600	0.580	
ARITH. MEAN	: 59.2	166.18	35.11	17.76	9.86	27.265	2.962	
ARITH. STD. DEV	: 27.6	95.17	20.59	16.15	7.99	20.653	2.761	
GEOM. MEAN	: 51.8	137.29	29.94	13.35	7.39	21.737	2.163	
1ST QUARTILE	: 42.5	88.48	20.34	8.15	4.47	14.270	1.084	
2ND QUARTILE	: 52.0	166.33	30.87	13.06	6.73	21.210	2.085	
3RD QUARTILE	: 71.0	219.20	46.03	21.56	13.60	32.660	4.397	
VOL. WGT. MEAN	: .	163.19	34.48	17.45	9.69	26.775	2.908	
MISSING VALUES	: 0.0	5	5	5	5	5	5	
	POTASSIUM	SODIUM	AMMONIUM	PHOSPHOR	MANGANESE	NICKEL	ZINC	IRON
	MG/M**2	MG/M**2	AS N MG/M**2	MG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2
# OF SAMPLES	: 65	65	65	65	65	65	65	65
MAXIMUM	: 15.795	22.750	87.620	10.488	780.00	78.00	990.70	3241.16
MINIMUM	: 0.180	0.450	1.650	0.000	0.00	0.00	41.13	0.00
ARITH. MEAN	: 2.648	4.303	22.661	0.646	208.81	18.15	344.21	1009.76
ARITH. STD. DEV	: 2.863	4.643	17.519	1.398	169.66	18.90	204.43	1065.43
GEOM. MEAN	: 1.827	2.755	17.255	0.347	157.98	19.82	286.21	1625.45
1ST QUARTILE	: 0.990	1.370	11.593	0.174	71.25	0.00	189.74	0.00
2ND QUARTILE	: 1.832	2.375	17.437	0.320	166.65	13.39	308.62	1091.62
3RD QUARTILE	: 2.800	5.925	27.713	0.563	278.85	24.73	463.16	1582.85
VOL. WGT. MEAN	: 2.600	4.226	22.254	0.635	207.02	18.00	330.77	883.49
MISSING VALUES	: 5	5	5	5	5	5	26	44
	LEAD	VANADIUM	ALUMINUM	COPPER	CADMIUM	ACIDITY GRAN	FREEH+ LAB	
	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	UG/M**2	
# OF SAMPLES	: 65	65	65	65	65	65	65.00	
MAXIMUM	: 3336.19	78.00	10157.9	259.19	38.35	9880.00	6080.6	
MINIMUM	: 50.29	0.00	358.78	0.00	0.00	641.30	108.21	
ARITH. MEAN	: 206.62	19.82	2014.47	66.68	5.32	4199.20	2646.5	
ARITH. STD. DEV	: 455.89	15.00	1570.23	56.33	7.04	1807.59	1349.0	
GEOM. MEAN	: 138.65	15.39	1614.68	60.77	6.16	3753.48	2207.4	
1ST QUARTILE	: 89.64	8.37	1068.99	33.97	0.00	2985.00	1655.7	
2ND QUARTILE	: 137.60	15.10	1576.81	54.07	3.34	4054.50	2588.7	
3RD QUARTILE	: 176.06	28.54	2504.66	78.37	8.08	5400.00	3406.2	
VOL. WGT. MEAN	: 194.17	19.65	1996.81	58.91	5.27	4131.90	2548.6	
MISSING VALUES	: 15	5	7	33	5	4	4.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

----- REGCODE=SW -----

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	114.0	114	114	114	114	114	114	
MAXIMUM	235.0	754.45	99.32	118.00	57.92	270.250	32.537	
MINIMUM	0.8	32.75	7.00	6.02	2.28	4.454	1.140	
ARITH. MEAN	57.5	224.26	39.19	33.87	16.37	41.307	6.643	
ARITH. STD. DEV	38.4	145.52	18.73	22.89	12.83	31.636	5.339	
GEOM. MEAN	47.1	187.07	34.83	27.64	12.71	33.777	5.286	
1ST QUARTILE	32.7	133.85	25.59	16.80	7.68	23.030	3.600	
2ND QUARTILE	47.8	188.53	36.80	28.16	11.66	35.350	5.229	
3RD QUARTILE	67.0	271.08	48.39	42.24	22.08	55.650	7.838	
VOL. WGT. MEAN	.	221.73	38.75	32.62	16.10	41.523	6.498	
MISSING VALUES	0.0	10	10	16	11	12	13	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	114	114	114	114	114	114	114	114
MAXIMUM	115.770	28.200	145.230	71.400	893.00	173.90	2141.23	10071.6
MINIMUM	0.369	0.430	1.132	0.000	8.64	0.00	117.87	0.00
ARITH. MEAN	5.340	6.420	32.833	2.103	247.07	30.63	580.78	2944.39
ARITH. STD. DEV	13.058	6.521	21.895	7.928	181.58	27.89	412.16	2274.55
GEOM. MEAN	2.559	3.963	25.580	0.577	185.09	23.83	469.99	2915.59
1ST QUARTILE	1.391	1.740	16.889	0.196	120.00	14.15	312.39	1697.69
2ND QUARTILE	2.149	4.109	31.117	0.481	201.60	24.68	501.57	2682.43
3RD QUARTILE	3.510	8.715	45.430	0.955	306.90	36.04	706.53	3872.55
VOL. WGT. MEAN	5.249	6.278	33.014	2.072	242.93	30.12	553.27	2615.39
MISSING VALUES	12	12	14	11	11	11	26	60
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	114	114	114	114	114	114	114.00	
MAXIMUM	2618.86	62.99	10992.7	2270.00	143.35	20055.0	17023	
MINIMUM	42.96	0.62	532.64	21.71	0.00	168.56	0.53	
ARITH. MEAN	202.18	18.15	2870.97	126.53	10.87	4032.26	2560.4	
ARITH. STD. DEV	267.84	13.06	2045.00	265.20	16.99	3376.54	2769.7	
GEOM. MEAN	160.11	13.85	2312.98	76.80	8.83	2703.36	698.29	
1ST QUARTILE	109.57	7.56	1417.19	46.63	2.66	1469.15	424.30	
2ND QUARTILE	156.30	14.40	2431.12	64.26	6.74	3465.60	1999.9	
3RD QUARTILE	232.82	25.82	3561.56	108.57	13.44	5520.00	3703.2	
VOL. WGT. MEAN	195.05	17.85	2803.23	119.46	10.63	3964.17	86.93	
MISSING VALUES	21	11	13	31	12	10	10.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF DEPOSITION

REGCODE=Z

	EQUIVALENT PREC. DEPTH MM	SULFATE MG/M**2	NITRATE AS N MG/M**2	CALCIUM MG/M**2	CHLORIDE MG/M**2	KJELDAHL AS N MG/M**2	MAGNESIUM MG/M**2	
# OF SAMPLES	13.0	13	13	13	13	13	13	
MAXIMUM	130.2	346.75	64.50	18.31	25.65	45.511	3.325	
MINIMUM	6.0	14.40	3.24	0.72	0.48	1.740	0.090	
ARITH. MEAN	73.1	144.85	29.64	9.92	9.44	26.613	1.438	
ARITH. STD. DEV	31.3	102.95	18.02	4.44	7.30	15.776	0.903	
GEOM. MEAN	61.5	105.69	23.54	8.15	6.52	18.614	1.086	
1ST QUARTILE	61.9	88.49	16.47	7.24	3.91	14.237	0.905	
2ND QUARTILE	80.5	124.60	28.06	9.66	7.24	33.814	1.302	
3RD QUARTILE	90.5	195.35	46.88	12.64	15.48	36.490	1.720	
VOL. WGT. MEAN	.	145.45	29.76	9.96	9.47	27.341	1.444	
MISSING VALUES	0.0	2	2	2	2	4	2	
	POTASSIUM MG/M**2	SODIUM MG/M**2	AMMONIUM AS N MG/M**2	PHOSPHOR MG/M**2	MANGANESE UG/M**2	NICKEL UG/M**2	ZINC UG/M**2	IRON UG/M**2
# OF SAMPLES	13	13	13	13	13	13	13	13
MAXIMUM	40.850	24.848	233.700	27.550	302.60	91.20	1175.42	19760.2
MINIMUM	0.000	0.150	1.824	0.000	11.40	0.00	186.30	73.40
ARITH. MEAN	5.616	5.835	38.617	3.304	166.88	29.54	431.34	5290.10
ARITH. STD. DEV	11.865	7.233	65.407	8.569	97.51	34.13	344.69	8318.32
GEOM. MEAN	2.072	2.908	18.875	0.469	126.64	18.11	355.27	1309.47
1ST QUARTILE	0.905	1.358	13.123	0.099	99.04	4.28	238.18	437.08
2ND QUARTILE	1.857	3.405	23.496	0.257	141.60	12.51	323.97	1226.08
3RD QUARTILE	3.477	6.020	28.340	0.979	266.00	53.32	510.61	4953.82
VOL. WGT. MEAN	5.639	5.859	38.777	3.285	165.88	29.36	361.57	6258.15
MISSING VALUES	2	2	2	3	3	3	6	8
	LEAD UG/M**2	VANADIUM UG/M**2	ALUMINUM UG/M**2	COPPER UG/M**2	CADMIUM UG/M**2	ACIDITY GRAN UG/M**2	FREEH+ LAB UG/M**2	
# OF SAMPLES	13	13	13	13	13	13	13.00	
MAXIMUM	221.69	69.66	3529.62	206.69	18.05	7566.36	4726.1	
MINIMUM	15.48	3.90	115.28	29.21	0.00	465.00	9.28	
ARITH. MEAN	133.03	25.54	1604.42	90.24	4.84	3874.77	2140.5	
ARITH. STD. DEV	57.38	19.06	1178.17	74.62	7.84	2559.43	1853.0	
GEOM. MEAN	112.03	19.52	1153.70	68.69	6.76	2977.10	981.89	
1ST QUARTILE	107.08	11.85	835.33	40.75	0.00	1984.79	437.31	
2ND QUARTILE	143.30	22.47	1168.82	51.61	0.00	2986.92	1399.1	
3RD QUARTILE	151.70	35.15	2766.58	161.54	12.04	7060.60	4118.2	
VOL. WGT. MEAN	124.59	25.39	1594.85	78.48	4.81	3890.82	886.32	
MISSING VALUES	4	3	3	7	3	2	2.00	